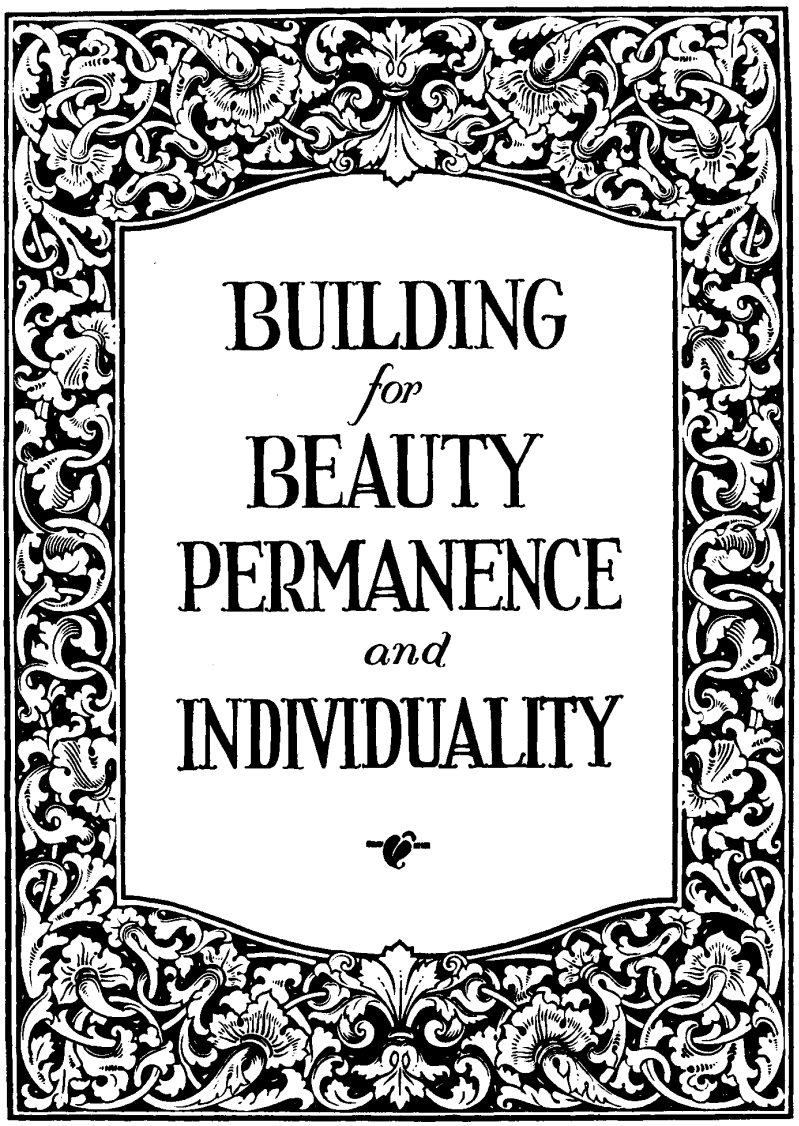
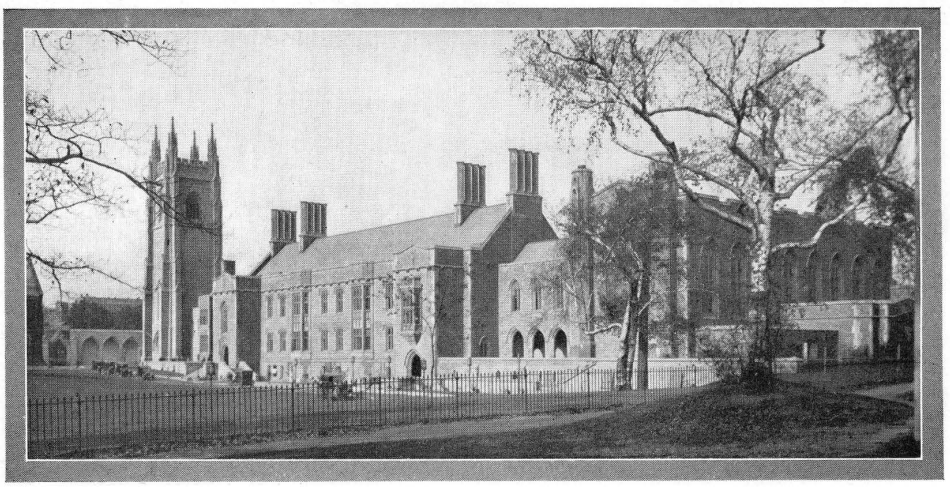

THE
DON VALLEY
BRICK WORKS
LIMITED
—
HIGH GRADE
FACE
COMMON
AND SEWER BRICKS
ENAMELLED BRICKS
TERRA COTTA TILE
—
OFFICE
AND DISPLAY ROOM
FEDERAL BUILDING
TORONTO, CANADA
OWNED AND OPERATED
BY
TORONTO BRICK COMPANY
LIMITED



THE
DON VALLEY BRICK WORKS, LIMITED
TORONTO

THE DON VALLEY BRICK WORKS, LIMITED



Architects:
SPROATT & ROLPH, A.R.I.B.A.

HART HOUSE
UNIVERSITY OF TORONTO
Faced throughout the Interior with
Don Valley Bricks

Contractors:
PAGE & Co.

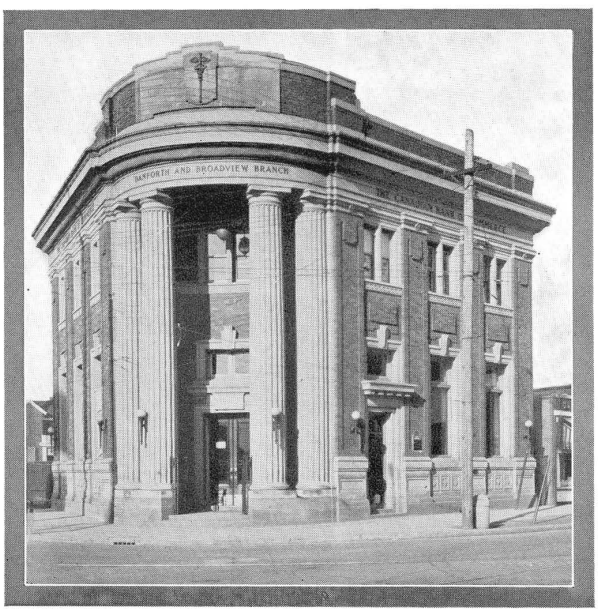
THE DON VALLEY BRICK WORKS, LIMITED

FEDERAL BUILDING, TORONTO

CATALOGUE OF DON VALLEY PRODUCTS

INDEX

THE DON VALLEY BRICK WORKS, LIMITED



CANADIAN BANK OF COMMERCE
DANFORTH AND BROADVIEW AVES., TORONTO
Faced with "Eatonia" Bricks

Architect:
V. D. HORSBURGH
DOMINION REALTY CO., LTD.

Contractors:
JAGO AND HARRIS

"BUILD WITH BRICKS"

THE DON VALLEY BRICK WORKS, LIMITED

FEDERAL BUILDING, TORONTO

Building for Beauty, Permanence and Individuality

THE Don Valley Brick Works, Limited, as acknowledged leaders of the Brick Industry in Canada for the last half century, offers a more complete line of Face and Common Bricks, Sewer Bricks, Enamelled Bricks and Hollow Terra Cotta Tile than any other manufacturer. We have kept pace with the most modern methods of brick and tile making, as the following pages will attest. The shale and clay deposits at our works are the most suitable for High Grade Ware.

The drab and unattractive brick building is inexcusable, the Architect, Engineer, and Builder of to-day having at their disposal a wider variety of face brick of quality, color, and texture than at any other time in history. To increase the appreciation of beautiful and artistic buildings, and to emphasize the fact that it pays to use materials that endure, and have no maintenance charges, we have prepared this booklet.

Impervious to the ravages of those giant enemies, Time and Fire, our materials are 100% efficient. To bring the manufacture of Brick, Hollow Tile, and Enamelled Brick to its present state of efficiency, so abounding in artistic and practical advantages, has given the Architect materials that for Utility, Strength and Beauty are unequalled.

The Don Valley Brick Works, Limited, has the honor of producing what is conceded to be the most beautiful brick made, namely, the "Eatonia". The panel and individual brick shown on page 9 will give a suggestion of its beauty and texture.

Besides the "Eatonia" we produce Pressed Bricks in a variety of buff shades and clear reds, Grey Stock, Rug Bricks in buff, green and red, Oriental Bricks having a tapestry finish and a wide variety of colors; also a brick known as Face Wire Cut. These bricks have wonderful possibilities for giving individuality to a building, especially the Face Wire Cut and Oriental.

Architects are invited to have special panels built by us with various types of brick and mortar. This helpful service is free and you are urged to avail yourselves of it so that the very best results may be obtained. Sample panels of bricks can be seen also at our show-rooms.

In the Hollow Tile line, we produce Terra Cotta Partition Tile, Flat Arch Floor Tile, Filler Tile, Beam, Column and Girder Fireproofing, Load-Bearing Backup and Wall Tile, and Wall Furring, in fact, a complete

Continued on next page

line. Our capacity to produce this material in great quantities assures the purchaser of prompt delivery. The quality of our Hollow Tile is unexcelled.

Our Common Wire Cut, Sewer and Hollow Bricks have been in use for the last fifty years, and on large jobs, where High Grade Material and Prompt Delivery are required, we can always be depended upon to give the Best Service.

Lastly we would call attention to our Enamelled Bricks for interior facing of engine and machine rooms, lavatories, swimming pools, bakeries, restaurants, or any place where cleanliness and light are essential. This material is not only by far the best for the purpose outlined, but in the long run is most economical.

We trust that this booklet will be of service. We welcome enquiries and shall be glad to give any helpful suggestions we can in the use of our materials.

The Don Valley Brick Works, Limited, stands for high grade materials, square dealing and prompt service.

Manager
JOHN M. BOWMAN

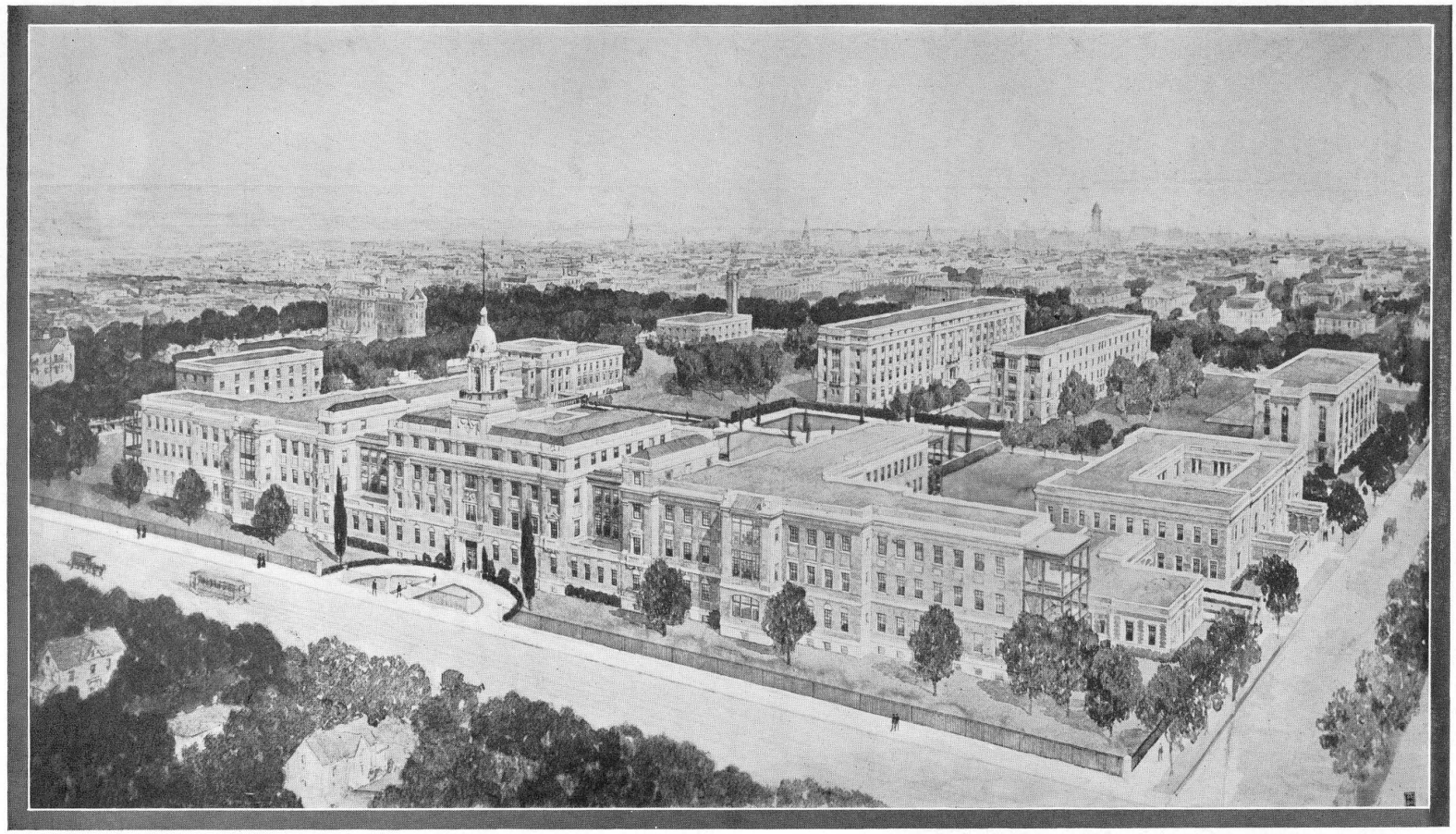
Sec'y-Treasurer
H. ST. J. JARVIS

NOTE—IMPORTANT !

RE UNIFORMITY OF COLOR.

Bricks cannot be matched absolutely for color,—consequently uniformity of color is not guaranteed. We will do our utmost to ship bricks as per classification and shade indicated, but there will invariably be a slight range between lighter or darker shades of the particular one selected. It is, therefore, advisable to select two shades, wherever possible, to allow for natural variations due to differences in temperature when burning bricks during process of manufacture.

"DON VALLEY FOR QUALITY AND SERVICE"

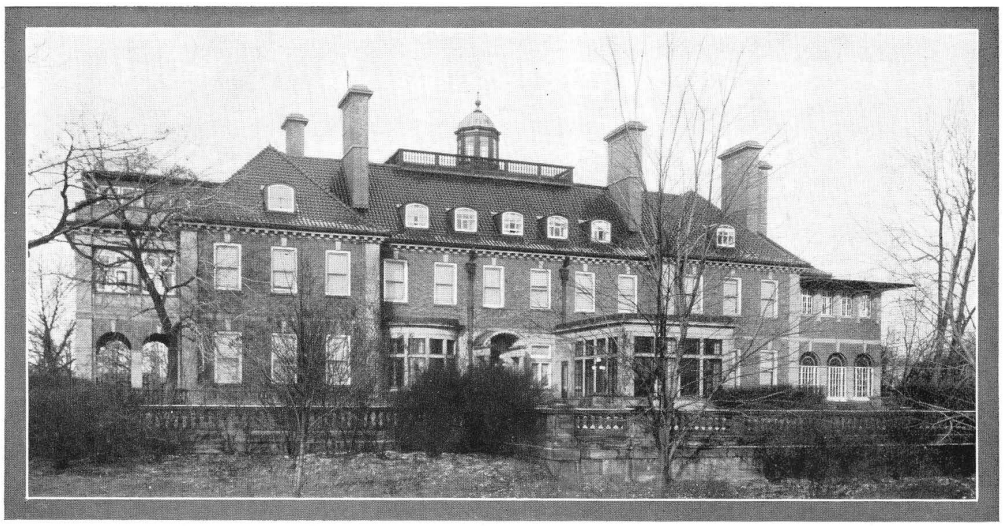


GENERAL VIEW OF THE TORONTO GENERAL HOSPITAL—ARCHITECTS: DARLING & PEARSON

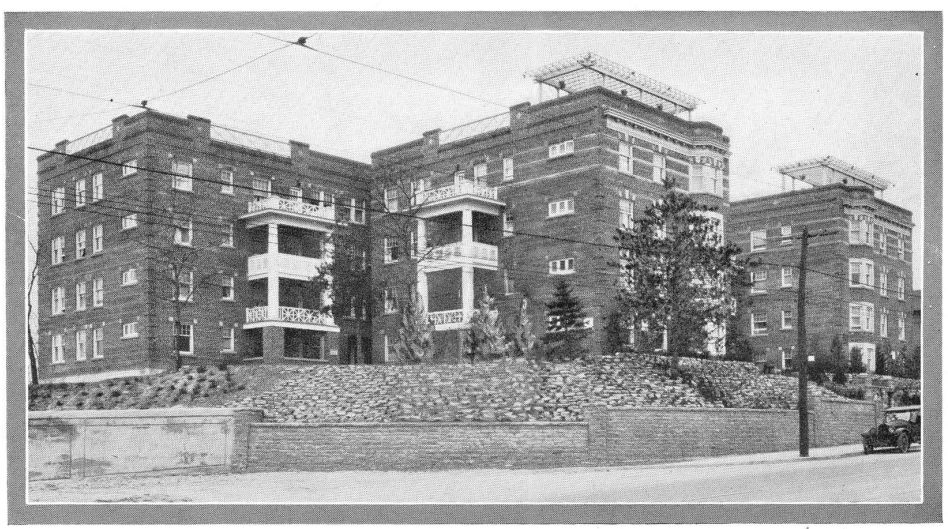
THE FINEST GROUP OF BRICK BUILDINGS IN CANADA

FACED WITH THE FAMOUS "EATONIA" BRICKS

ALL BRICK AND HOLLOW TERRA COTTA SUPPLIED BY DON VALLEY BRICK WORKS, LIMITED



"ARDWOLD"
THE RESIDENCE OF LADY EATON, TORONTO
Faced with "EATONIA" Bricks
Architects: WICKSON & GREGG
Contractors: THOMSON BROS.



Faced with Don Valley Bricks

ELLIS PARK APARTMENTS
BLOOR ST. AT HIGH PARK
TORONTO

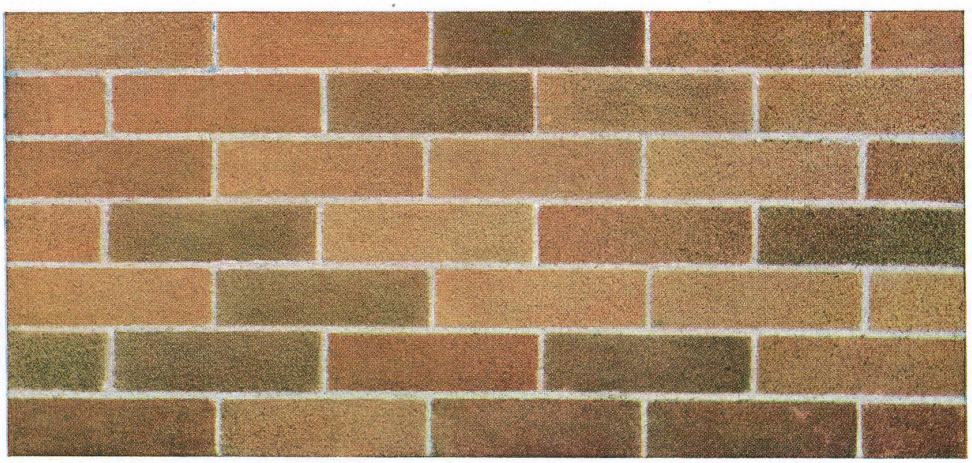
Backed up with Don Valley Hollow Tile

Architects: J. HUNT STANFORD & SON

Owners and Builders: GODSON BUILDING CO., LTD.

"BRICKS FOR BEAUTY"

"EATONIA"



FULL RANGE "EATONIA"

SHADE 203 (DARK)

SHADE 201 (MEDIUM)

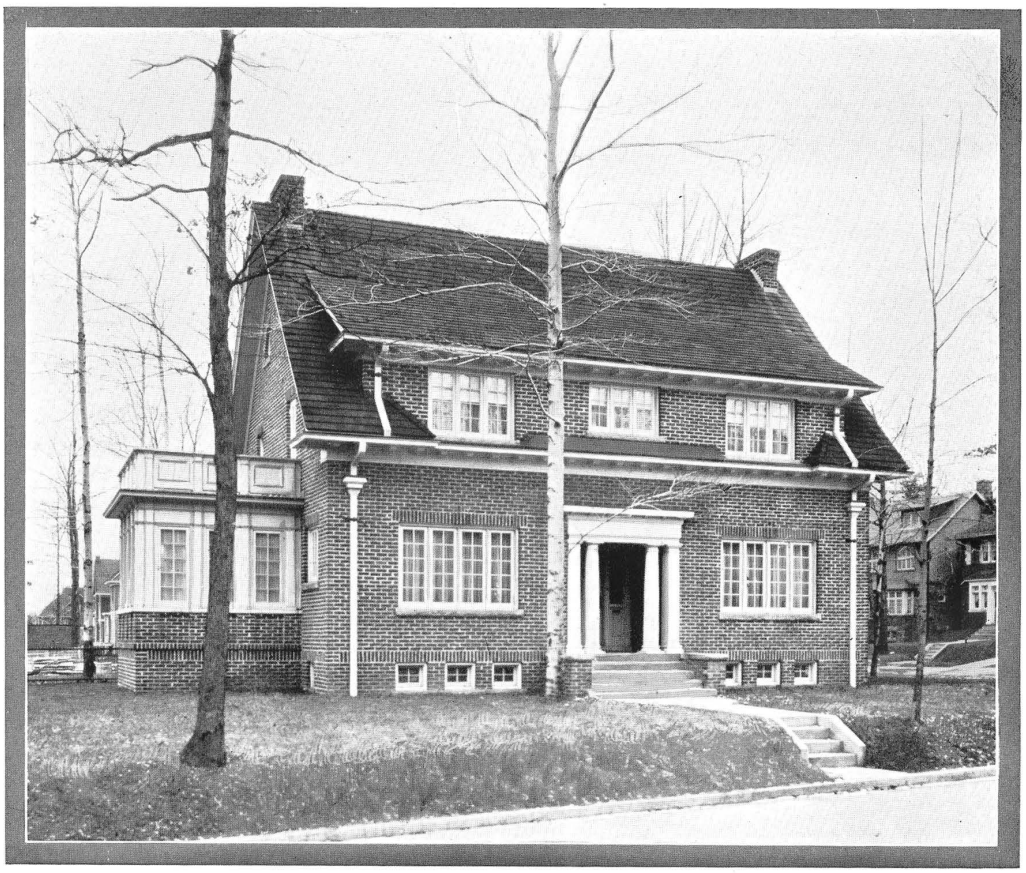
SHADE 200 (LIGHT)

SHADE 202 (REDDISH BROWN)

SELECTED SHADES OF "EATONIA" BRICKS

Above is shown the famous "Eatonia" Brick, considered the most beautiful brick made. Its delicate tones and texture produce a most charming effect.

IMPORTANT.—See Footnote on Page 6 re Uniformity of Color.

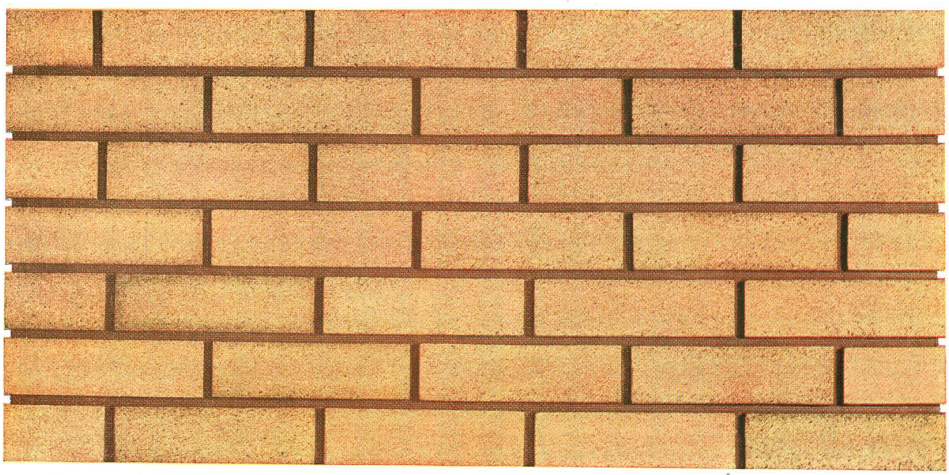


RESIDENCE—COR. OF INGLEWOOD DRIVE AND SIGHTHILL AVE., TORONTO

Nothing is so attractive as Brick.
Colors are permanent and improve with age when Don Valley Bricks are used.
Why take chances with Stucco ?

"BRICKS—THE PROVEN MATERIAL"

"BUFF MANTEL"



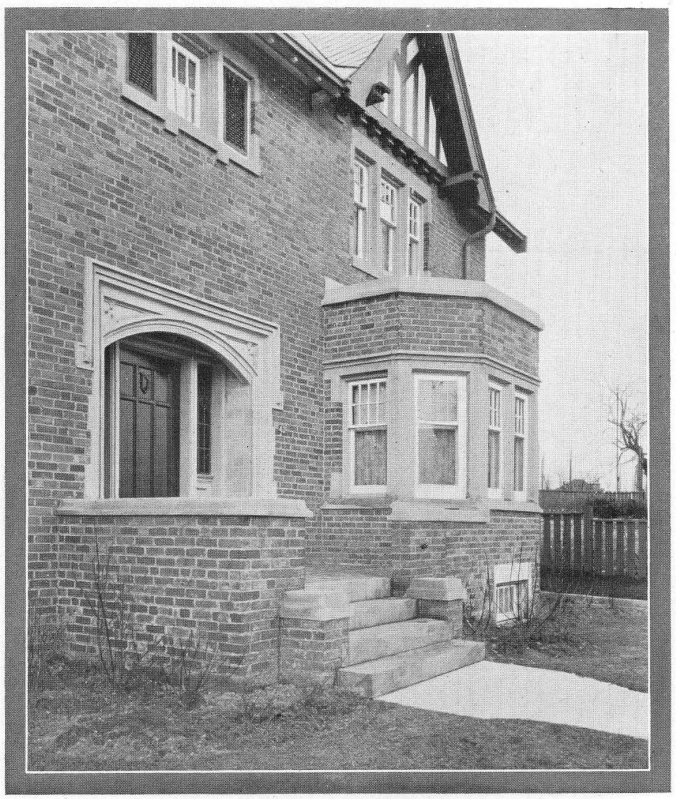
DARK BUFF MANTEL- SHADE 210

A Pressed Brick of beautiful and artistic appearance. Its continued use by the most discriminating architects and their clients is the best proof of its merit.

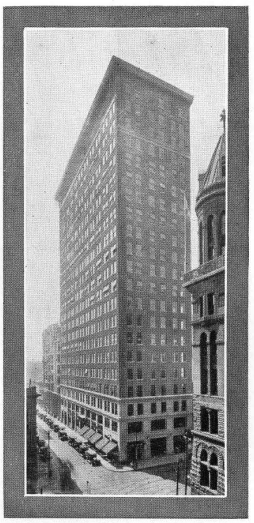
NOTE

Uniformity of shades is not guaranteed. A slight range is always evident.

(See Note on Page 6 re Uniformity of Color.)



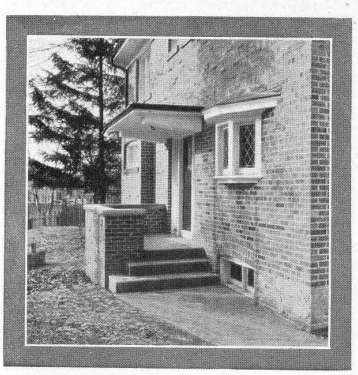
RESIDENCE
DINNICK CRESCENT
TORONTO
Architect: J. FRANCIS BROWN
Contractor: WM. BULLEY



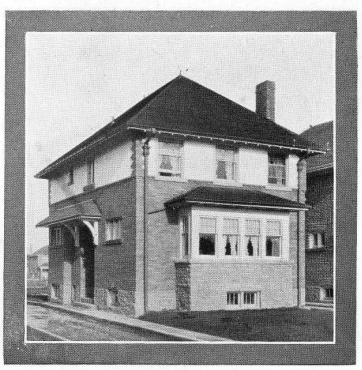
METROPOLITAN BUILDING
TORONTO
Architect: WM. F. SPARLING
Contractors: GEO. M. FULLER CO., LTD.

"The Tallest Building in the British Empire."

Don Valley Bricks are adaptable to any design, from the humble home to the lofty sky-scraper.



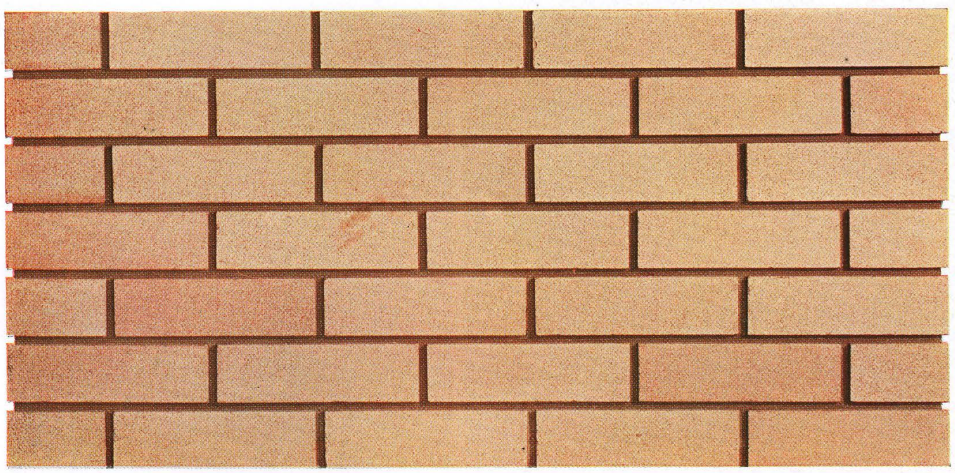
Detail of Entrance
RESIDENCE
IN BLYTHWOOD CRES.,
TORONTO



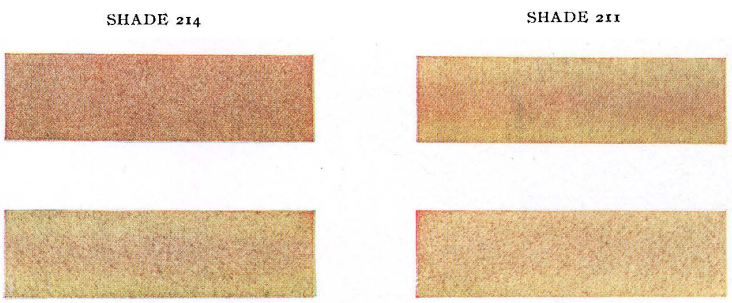
RESIDENCE
GLENGROVE AVE.
TORONTO

"BRICKS FOR INDIVIDUALITY"

"BUFF PRESSED"



BUFF PRESSED—SHADE 211



SELECTED SHADES OF BUFF PRESSED BRICKS

A very popular brick of pleasing appearance.

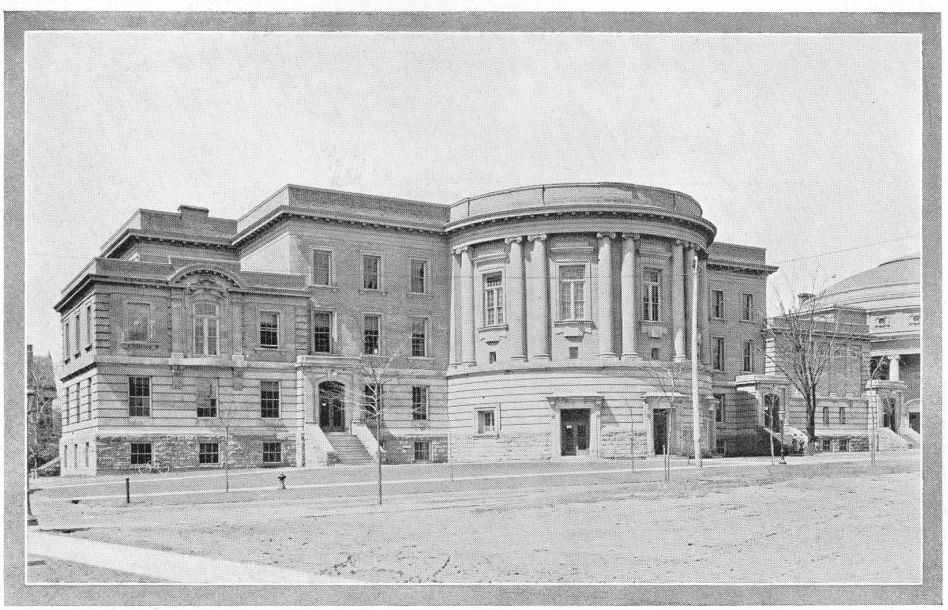
A particularly good brick for interior wall surface of public or semi-public places where it is desirable to combine permanence with a light cheerful effect. It is also an excellent brick for exterior work.

(See Note on Page 6 re Uniformity of Color.)

BANK OF NOVA SCOTIA
ST. CLAIR AND AVENUE ROAD
TORONTO

Architects: SHARPE & HORNER
Contractors: DICKIE CONSTRUCTION CO., LTD.

A remarkable example of
Don Valley Roman Bricks



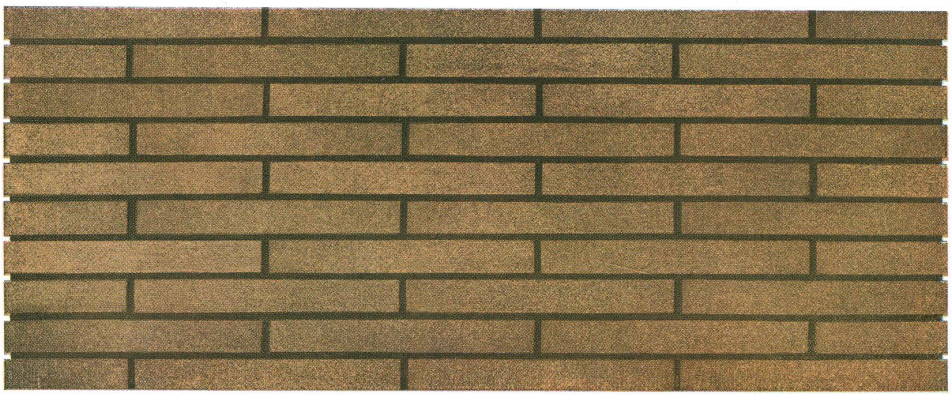
Architects:
DARLING AND PEARSON

PHYSICS BUILDING AND CONVOCATION HALL
UNIVERSITY OF TORONTO
Faced with Don Valley Grey Stock Bricks

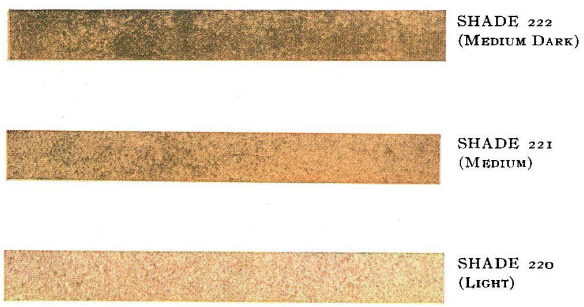
Contractors:
R. ROBERTSON & SONS, LIMITED

"BUILD WITH BRICKS"

"ROMAN EATONIA"



ROMAN EATONIA—SHADE 223 (DARK)

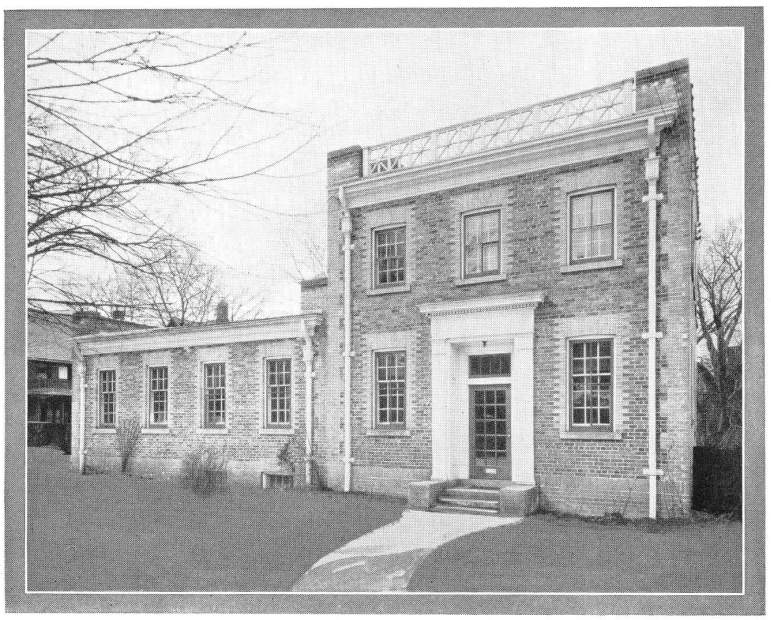


SELECTED SHADES OF ROMAN EATONIA BRICKS

We recommend the use of Narrow Mortar Joint with this type of brick.

A hard burned brick of beautiful color and texture used extensively for mantels and interior decorative work; the effects obtained are always gratifying. This brick is 12 in. long, 4⅛ in. wide by 1½ in. high and will weigh about 5 lbs.

(See Note on Page 6 re Uniformity of Color.)

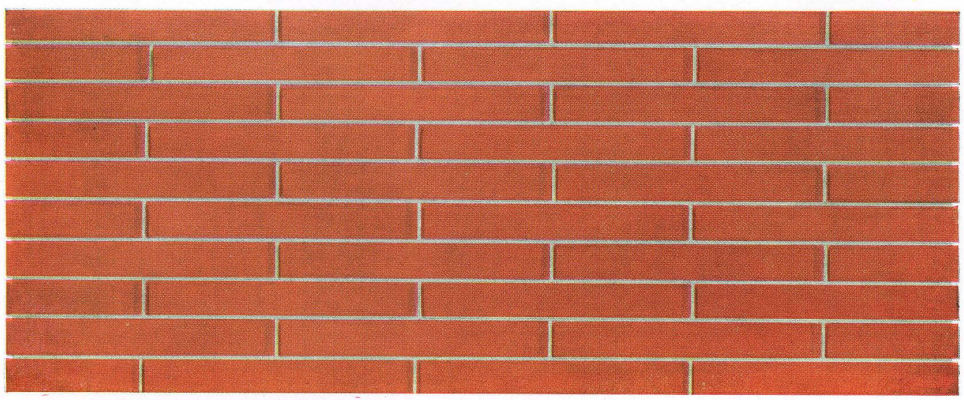


Office Building of
JOHN M. LYLE, Architect
TORONTO
Contractors:
JACKSON-LEWIS CO. LTD.

SHELDRAKE APARTMENTS
TORONTO
Architect: N. G. BEGGS

"BRICKS FOR PERMANENCE"

"ROMAN RED"



ROMAN RED (PRESSED)—SHADE 232 (DARK)

SHADE 231 (LIGHT)

SELECTED SHADES OF ROMAN RED PRESSED BRICK

A Narrow Mortar Joint is recommended with this type of brick.

This brick has long been successfully used for walks, terrace and porch floors, mantels, steps, etc. This brick is 12 in. long by 4⅛ in. wide by 1½ in. high and will weigh about 5 lbs.

(See Note on Page 6 re Uniformity of Color.)

T. EATON CO. LTD.
MAIL ORDER BUILDING
MONCTON, N.B.
Architects:
WM. STEELE, SONS, LTD.
Contractors:
GEO. A. FULLER CONST. CO. LTD.

FACED WITH
"EATONIA" BRICKS

The Large Departmental Store of the T. Eaton Co. Ltd., Toronto is Faced with DON VALLEY RED PRESSED BRICKS

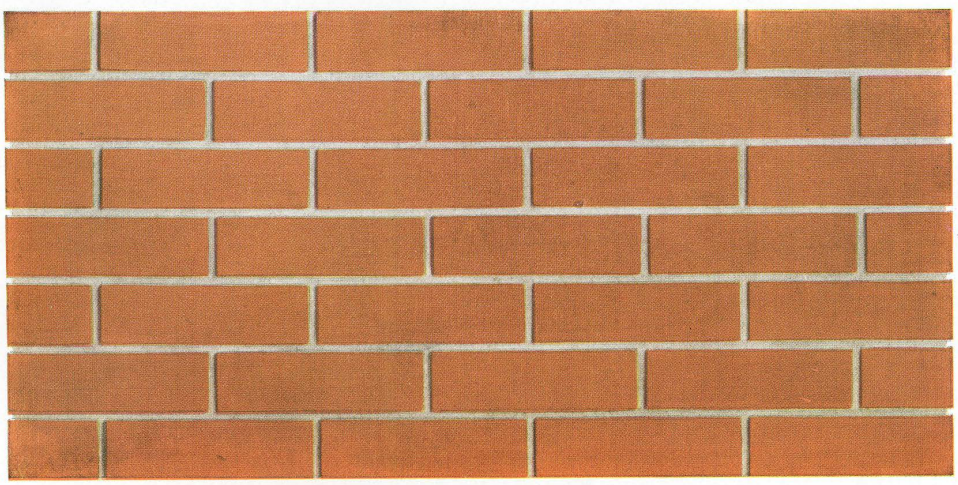
From Moncton in the East to Winnipeg in the West
DON VALLEY BRICKS ARE FAMOUS.

T. EATON CO. LTD.
MAIL ORDER BUILDING
WINNIPEG, MAN.
Architects:
GRAHAM, ANDERSON, PROBST & WHITE
Contractors:
P. LYALL CONSTRUCTION CO. LTD.

FACED WITH
"EATONIA" BRICKS

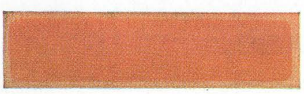
"DON VALLEY FOR SATISFACTORY SERVICE"

"RED PRESSED"



RED PRESSED BRICK—SHADE 241

SHADE 242 (DARK-FLASHED)



SHADE 241 (MEDIUM)

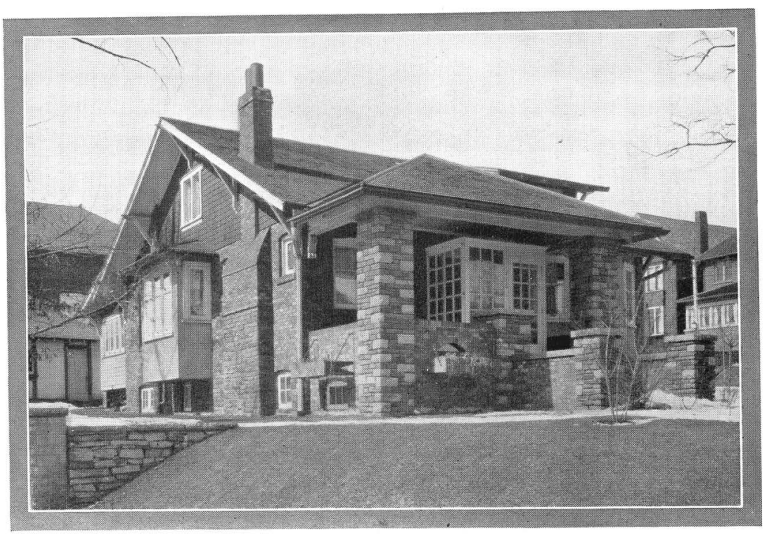
SHADE 240 (LIGHT)

SELECTED SHADES OF RED PRESSED BRICKS

A real good brick, suitable for residences or business buildings. Always in demand, this brick has been used in many of our finest buildings to the perfect satisfaction of architect and owner.

(See Note on Page 6 re Uniformity of Color.)

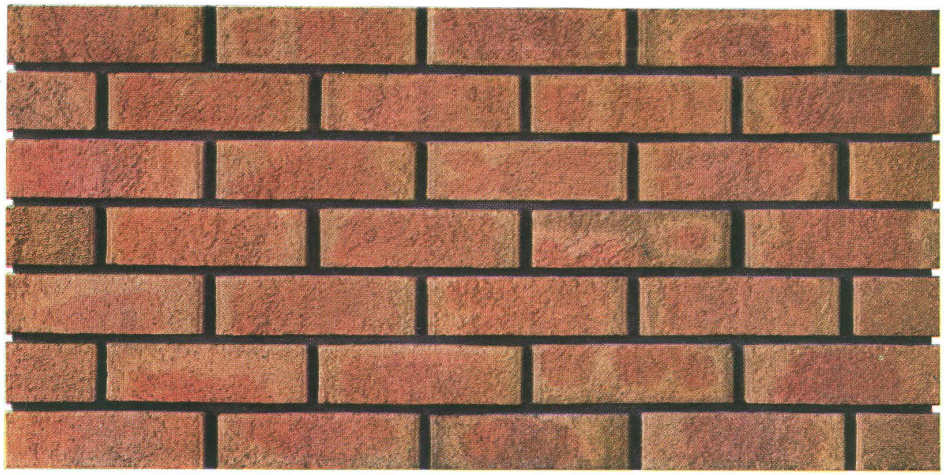
RESIDENCE
ANDERSON AVENUE
TORONTO



BUNGALOW
COR. FAIRVIEW AVE.
AND GLENWOOD AVE.
TORONTO

"BRICKS—AS ENDURABLE AS THE PYRAMIDS"

"RED ORIENTAL"



RED "FLASHED" ORIENTAL 251 AND 252

SHADE 252
FLASHED

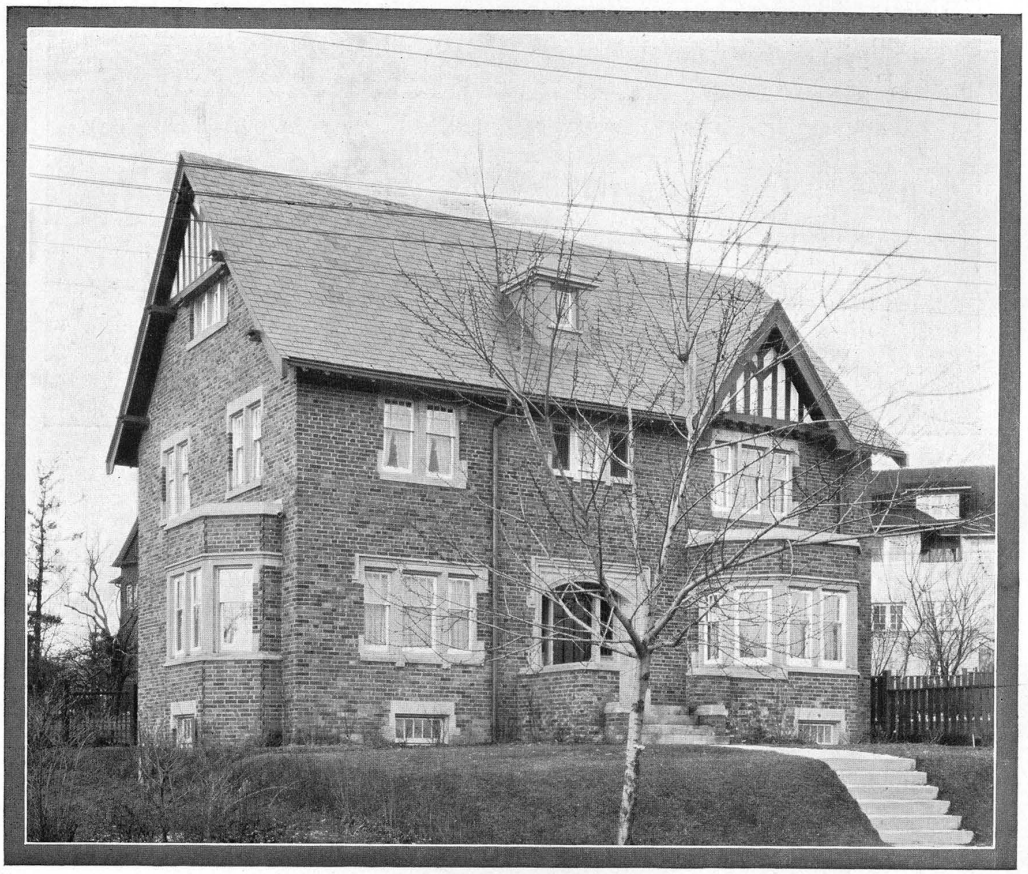
SHADE 251
"VALDON" RED FLASHED

SHADE 250
CLEAR RED

SELECTED SHADES OF RED ORIENTAL BRICKS

The soft rich tones of this brick with its tapestry-like texture gives a most pleasing effect. Sample panels of this brick should be seen to be really appreciated.

(See Note on Page 6 re Uniformity of Color.)



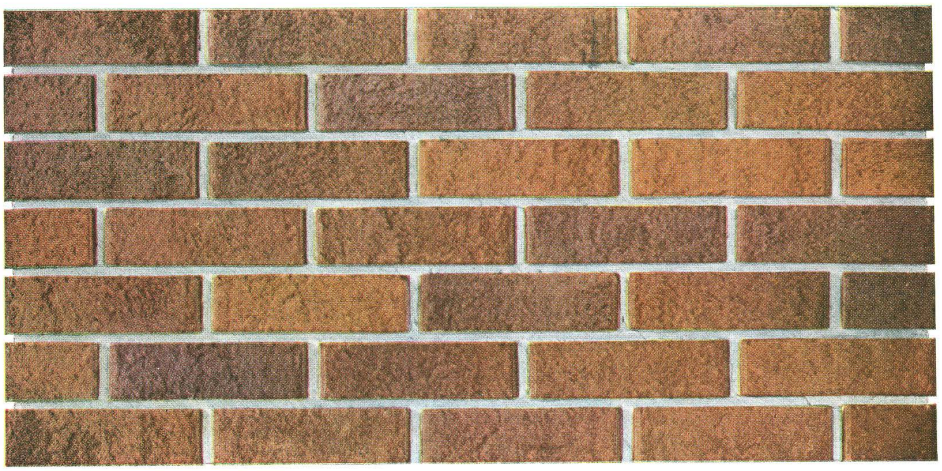
RESIDENCE — DINNICK CRESCENT — TORONTO

Architect: J. FRANCIS BROWN Contractor: WM. BULLEY

Don Valley Bricks lend themselves to buildings of any type. Individual character is readily obtained by the great variety of Face Brick manufactured by us.

"BRICKS FOR INDIVIDUAL CHARACTER"

"BROWN ORIENTAL"



BROWN ORIENTAL MIXED SHADES

SHADE 258
DARK BROWN

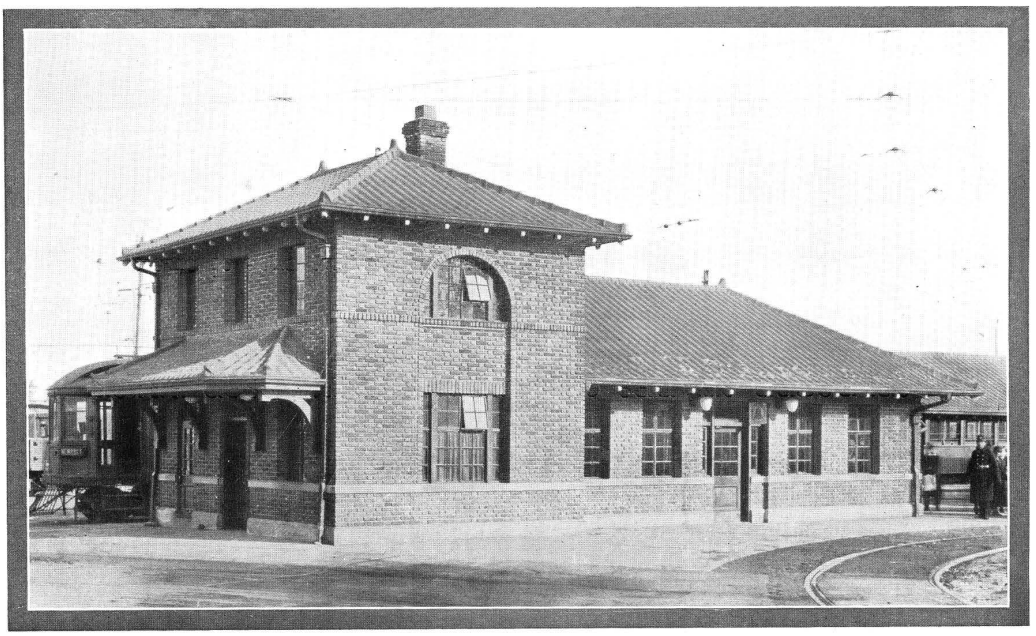
SHADE 257
MEDIUM BROWN

LIGHTEST SHADE IN PANEL IS LIGHT BROWN SHADE No. 256

SELECTED SHADES OF BROWN ORIENTAL BRICKS

A brick that is very much admired; the above panel gives only a suggestion of its beauty. The Oriental Bricks we produce lend themselves to a very wide variety of treatment.

(See Note on Page 6 re Uniformity of Color.)



Architects:
ONTARIO HYDRO ELECTRIC POWER COMMISSION

METROPOLITAN RADIAL STATION—NORTH TORONTO

Contractors:
SULLIVAN & FRIED

HOLEPROOF HOSIERY
BUILDING
LONDON, ONT.
Architects: LOCKWOOD, GREEN CO.
Contractors: STONE & WEBSTER

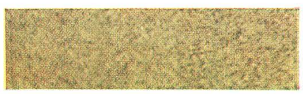
One of the Most
Attractive Industrial
Buildings in
Canada

"BRICK FOR ADAPTABILITY"

"BUFF ORIENTAL"

DARK BUFF AND GREEN ORIENTAL

SHADE 263 (GREEN)



SHADE 260 (LIGHT)

SHADE 261 (MEDIUM)

SHADE 262 (DARK)

SELECTED SHADES OF BUFF ORIENTAL BRICKS

A really beautiful brick, having a tapestry-like texture. Restful and pleasing to the eye, its colors harmonize with the surroundings—suitable for plain or fancy detail work. The buildings shown on the opposite page were built of this brick with a grey, rough grit mortar joint.

(See Note on Page 6 re Uniformity of Color.)

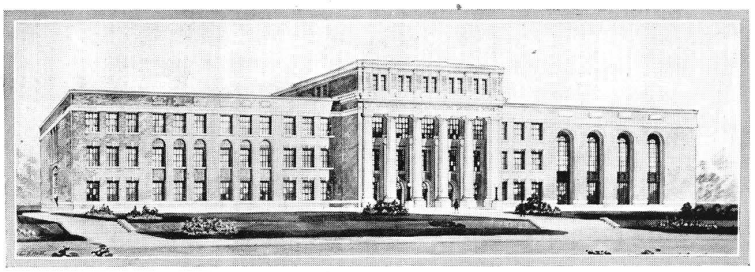
Architects:
CHAPMAN & OXLEY

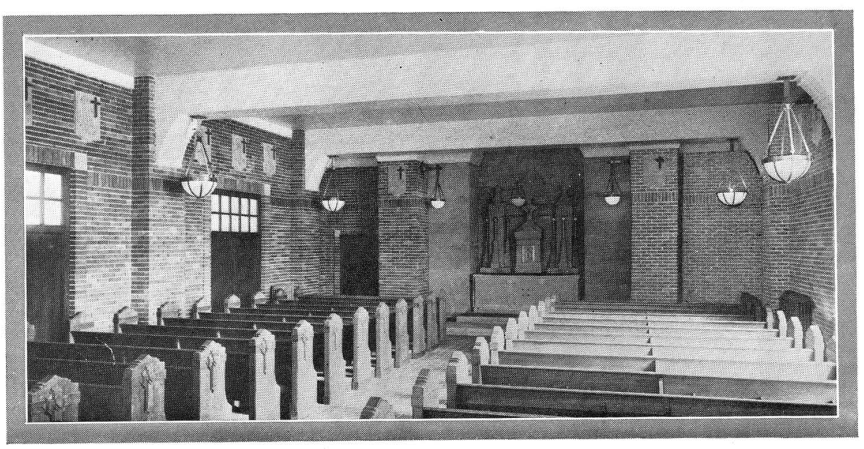
PURE FOOD BUILDING
CANADIAN NATIONAL EXHIBITION
TORONTO

Contractors:
W. M. SUTHERLAND CO., LTD.

Faced with Light Buff
Oriental

ST. CATHARINES COLLEGIATE
AND VOCATIONAL SCHOOL
Architects: S. B. COON & SON
Contractors:
W. H. YATES CONSTRUCTION CO., LTD.



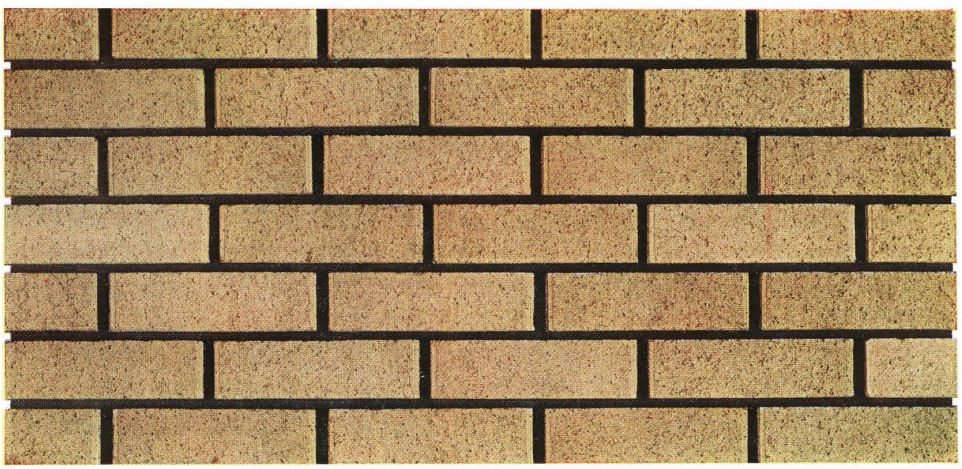


CONGRESS HALL
MONTREAL
Architect: J. P. HYNES

Interior Facing of
Don Valley Bricks

"BRICKS FOR BEAUTY OF DESIGN"

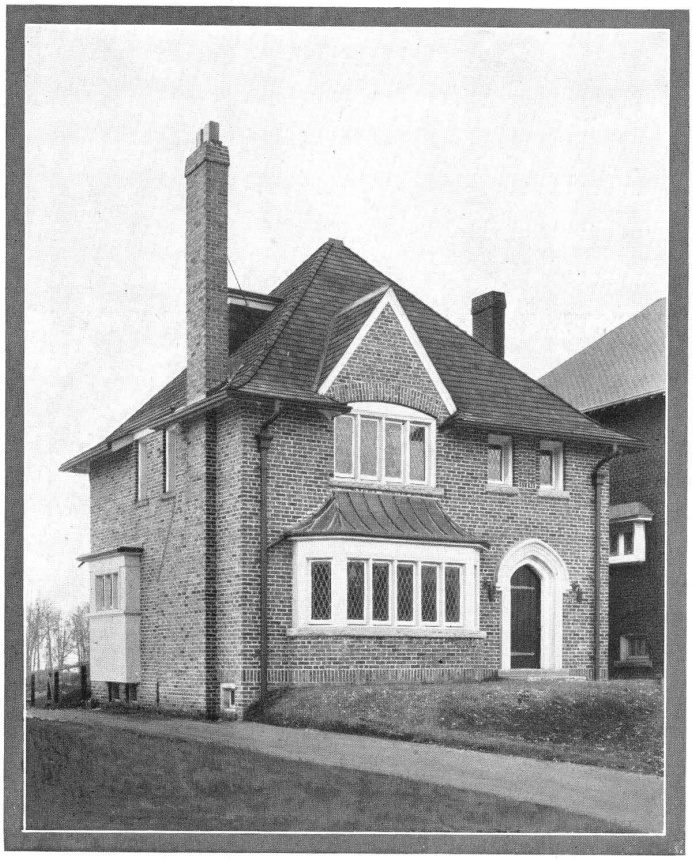
"BUFF ORIENTAL"



BUFF ORIENTAL—SHADE 260

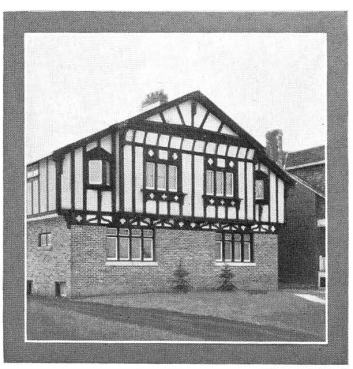
Soft and rich in color, this brick has the tapestry texture and gives a cheerful and distinctive appearance so desirable to the well designed building.

(See Note on Page 6 re Uniformity of Color.)



RESIDENCE
IN MOORE PARK
TORONTO
INGLEWOOD DRIVE
Architect: D. E. KERTLAND

RESIDENCE
MELROSE AVE., TORONTO
Architect and Builder:
F. J. HICKLEY



We are noted for prompt shipments and the busy contractor appreciates having his material on the job when he needs it.

"BRICKS FOR BETTER BUILDINGS"

"BUFF RUG"

BUFF RUG—FULL RANGE

SHADE 272
(DARK BUFF)

SHADE 271
(MEDIUM BUFF)

SHADE 270
(LIGHT BUFF)

SELECTED SHADES OF BUFF RUG

Extremely attractive results are secured by the use of this brick, the cheerful colors being pleasing to the eye. You will find nothing in the point of durability and beauty that is more excellent.

(See Note on Page 6 re Uniformity of Color.)

Entrance to
ACADIA APARTMENTS
MONTREAL
Architect: DAVID R. BROWN, MONTREAL

(See Page 32)

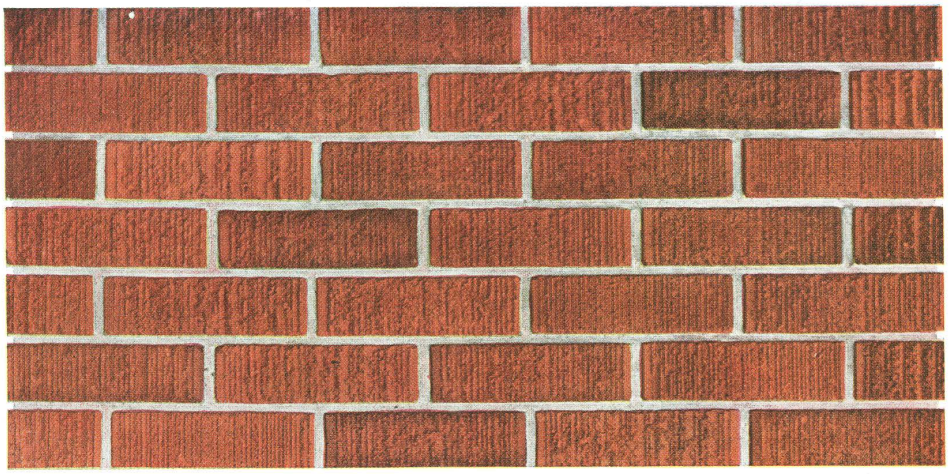
Showing the adaptability of
Don Valley Grey Stock Bricks
to architectural treatment.

Whether for a one family
or one hundred family
domicile
DON VALLEY PRODUCTS
are most suitable.

BUNGALOW
BABY POINT ROAD
TORONTO

"DON VALLEY BRICKS" SINCE FIFTY YEARS AGO.

"RED RUG"



RED RUG—FULL RANGE

SHADE 282
(DARK RED FLASHED

SHADE 281
(RED FLASHED)

SHADE 280
(CLEAR RED

SELECTED SHADES OF RED RUG

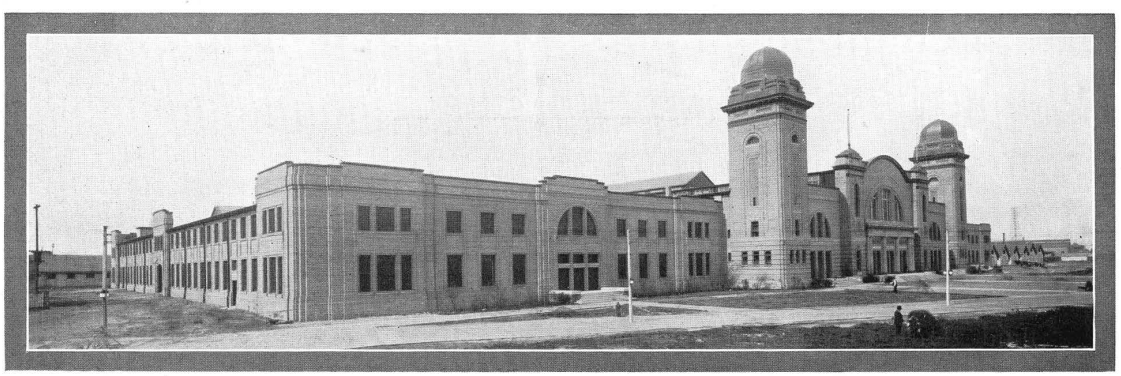
An always attractive and popular brick.

(See Note on Page 6 re Uniformity of Color.)

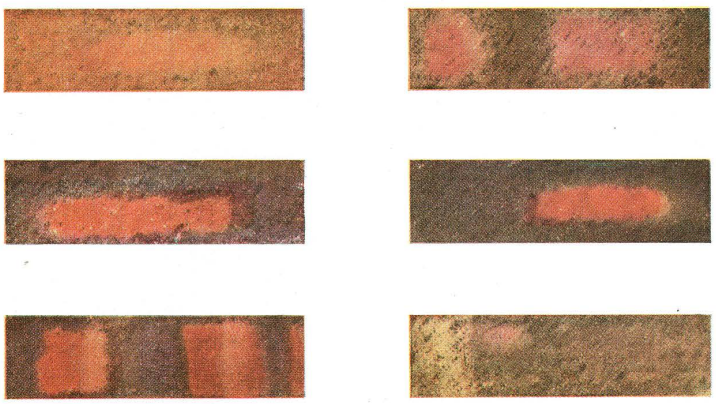
ACADIA APARTMENTS
SHERBROOKE STREET
MONTREAL
Architect: DAVID R. BROWN
Contractors: THOMPSON-STARRETT CO., LTD.

Two Examples
of Beauty expressed by the
Celebrated
Don Valley Grey Stock Brick

THE COLISEUM
EXHIBITION GROUNDS, TORONTO
Architect: CITY OF TORONTO
Contractors: ANGLIN-NORCROSS LTD.



The Canadian National Exhibition Buildings have been entirely built
of Don Valley Bricks.



FACE WIRE CUT

This brick must be seen laid in the wall to be appreciated.

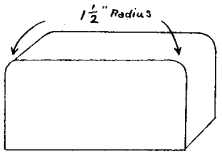
No two are alike, so it is impossible for us to show in a small panel the range of color—the texture of this brick also is varied.

Skilfully designed and handled it offers the widest range for the expression of individuality and becomes more beautiful with age.

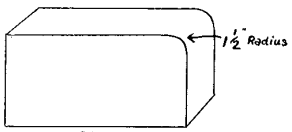
GREY STOCK

This brick has been used with extremely satisfactory results in many large buildings, is always in steady demand and is so well known that we need not dwell on its merits. Uniformity of color, and its unequalled durability are the two outstanding factors that have made it justly famous.

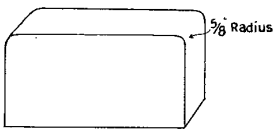
SPECIAL SHAPES



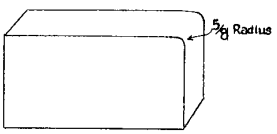
Double Bull Nose
No. 30



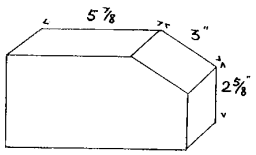
8½"
Bull Nose
No. 31



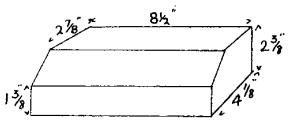
Double Bull Nose
No. 32



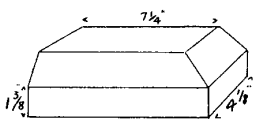
Bull Nose
No. 33



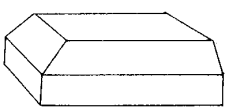
Splay, Angle 30°
No. 34



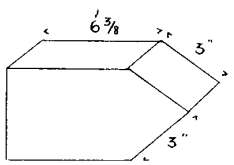
Splay, Stretcher
No. 35



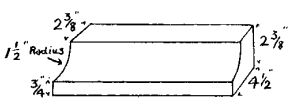
Splay, Return Righthand
No. 36



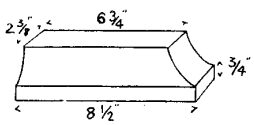
Splay, Return Lefthand
No. 37



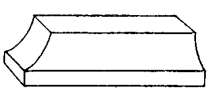
Splay, Angle 45°
No. 38



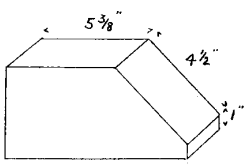
Cove Stretcher
No. 39



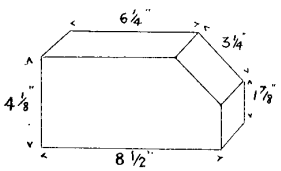
Cove Righthand Return
No. 40



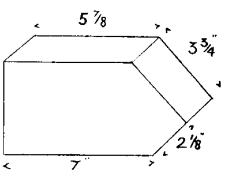
Cove Lefthand Return
No. 41



Splay, Angle 45°
No. 42



Splay, Angle 45°
Brick No. 43



Splay, Angle 45°
No. 44

Types of Bricks with Special Shapes Available

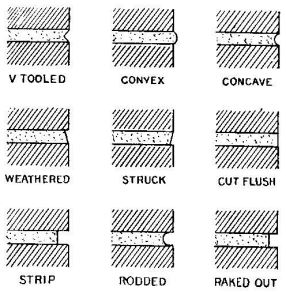
Type of Brick	Catalogue Number (inclusive)	Pages	Special Shapes Available
Eatonia.....	200 to 203	9	30 to 44 inclusive
Buff Pressed.....	211 to 214	13	30 to 44 inclusive
Red Pressed.....	240 to 242	19	30 to 44 inclusive
Red Oriental.....	250 to 258	21 and 23	34, 35, 36, 37, 38, 42, 43, 44
Buff Oriental.....	260 to 263	25 and 27	34, 35, 36, 37, 38, 42, 43, 44
Grey Stock.....		33	32, 33, 34, 35, 36, 37, 38, 42, 43, 44

NOTE:—Special Shapes are not always available from stock, and sufficient time should be allowed in ordering to permit of manufacture.

MORTAR JOINTS

In selecting the face brick for your building it is very important to consider the mortar joint, its color, texture, kind and size.

The mortar, which occupies about one-eighth of the wall area, properly chosen will bring out the fine shades and textures of the brick and greatly enhance the beauty of the building and impart a certain individuality to the work. Poorly chosen, the mortar joint can mar the appearance of the brick. When in doubt, talk the matter over with us; better still, see the panels on display at our showrooms and works. If special panels are requested, we will gladly build them without obligation on your part. We recommend laying up of sample panels, keeping record of the mortar mix. When dry, the panel will show the effect obtained, and, if not satisfactory, changes can be made to the mortar color to obtain the desired effect.



TYPES OF MORTAR JOINTS

PATTERNS IN BRICKWORK

In addition to the pleasing effects that may be obtained with the various types of bonds, certain patterns can be used, especially for panels, walls, floors, hearths, mantels, piers, window heads, terraces, etc., that add greatly to the ornamental effects that may be secured. This panel work, however, should be carefully laid out, and only that which lends itself to good taste be used.

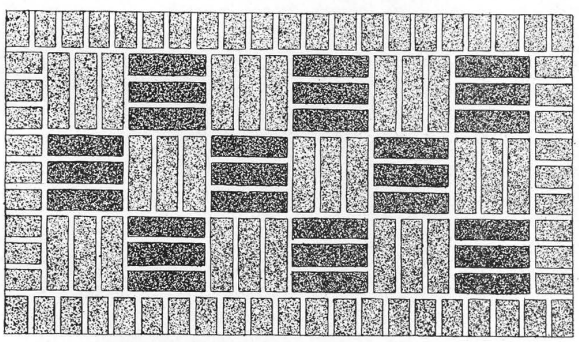


FIG. 1—CHECKER BOARD

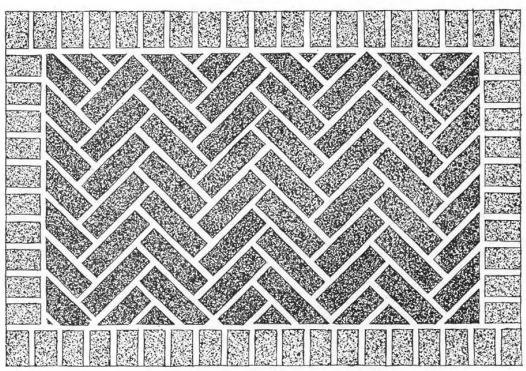


FIG. 2—HERRINGBONE

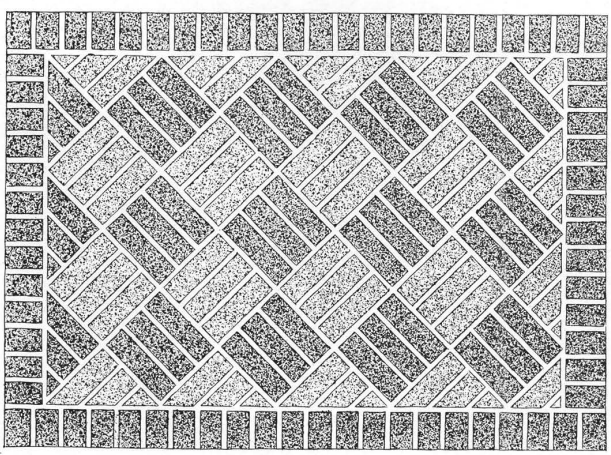


FIG. 3—BASKET WEAVE

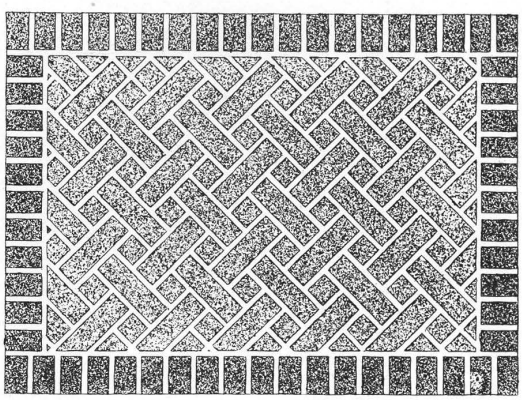


FIG. 4—MODIFIED BASKET WEAVE

THE BOND OF BRICK WORK

Fig. 1 shows what is called Running or Stretcher bond. The wall is built of stretcher courses having a header at the corners which appears as a stretcher on the return side. This bond is used largely for brick veneer work; it has great strength, longitudinally, but lacks transverse strength.

Fig. 2, Common or American bond, consists of five courses of stretchers to one course of headers. For strength, and economy of labor, this type of bond has advantages, but often the appearance of a wall built with this bond is marred, the headers frequently being a darker shade than the stretchers.

Fig. 3 shows English bond, the wall being built up of alternate courses of stretchers and headers, the headers coming over the centre of the stretchers. This bond gives great transverse strength to a wall and also a most pleasing appearance.

Fig. 4 shows English Cross or Dutch bond. It differs from English bond in that the joints of the successive stretchers are broken. Attractive patterns can be produced with this bond.

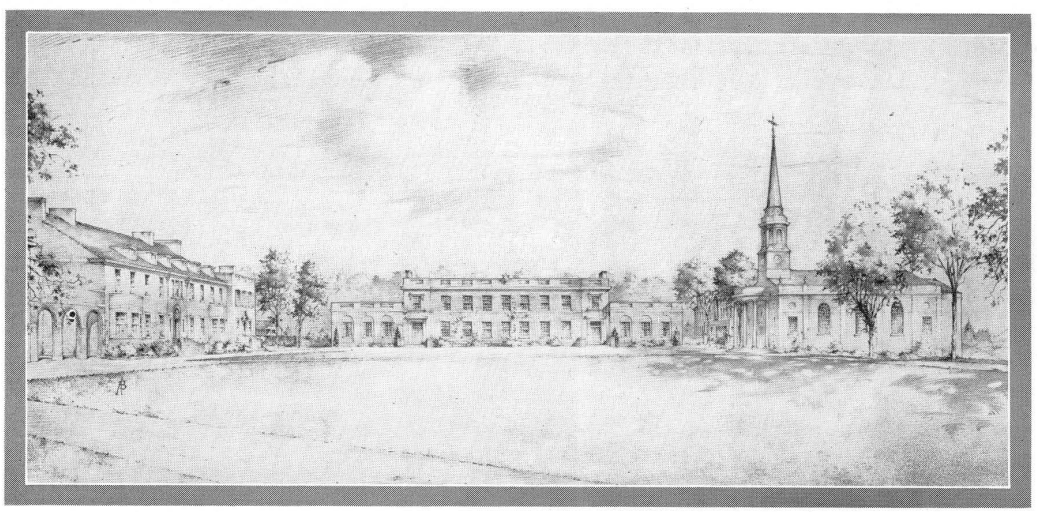
Fig. 5, Flemish bond, consists of alternating headers and stretchers, the header coming over the centre of the stretcher in successive courses. This is a favorite bond on account of the strength developed and also for its artistic possibilities.

Fig. 6 shows Header bond, which is weaker structurally than any other bond and should not be used in large wall areas but only for panels or other ornamental effects.

Fig. 7 shows Three-Stretcher Garden-Wall bond, being a modified type of Flemish bond. This bond consists of three stretchers to one header, the header coming over the centre of the centre stretcher. A bond using two stretchers to a header or four stretchers to a header can be used to obtain decorative effects. These are modified types of Garden-Wall bond.

In laying brick, two vertical joints should always be "broken"; that is, no two vertical joints should come on the same line, the least bond being permitted by good practice being ¼ bond, or one brick lapping over the other at least one quarter of its length. A header being half the size of a stretcher the alternate vertical joints can be kept plumb.

Ordinarily the three bonds, Running or Stretcher, English, and Flemish, will cover all the requirements of general architecture. In addition to various bonds and patterns, artistic effects can be secured in the wall surface by laying headers or stretchers vertically. The headers laid this way are called "Rowlocks" and the stretchers "Soldiers."



GROUP OF BUILDINGS
ST. ANDREW'S COLLEGE
AURORA, ONT.
Architects: MARANI & PAISLEY
Contractors: W. H. YATES CONSTRUCTION CO., LTD.

BRICK BONDS

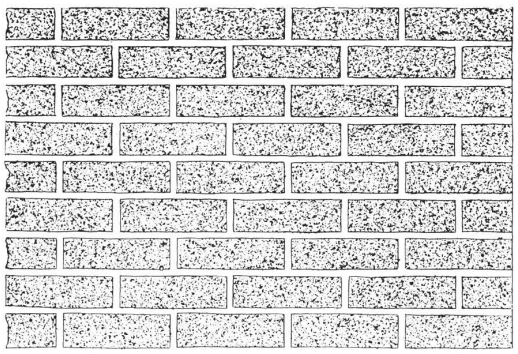


FIG. 1—RUNNING OR STRETCHER

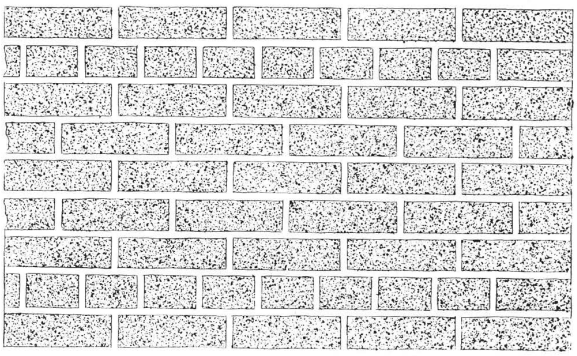


FIG. 2—AMERICAN OR COMMON

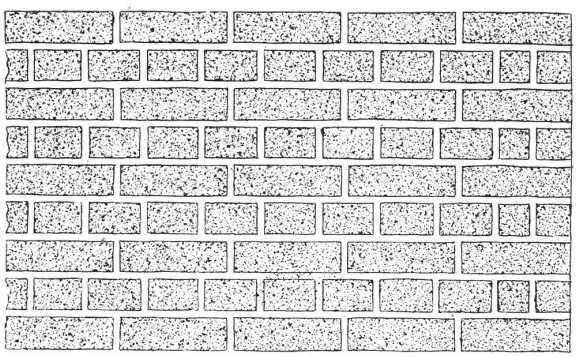


FIG. 3—ENGLISH

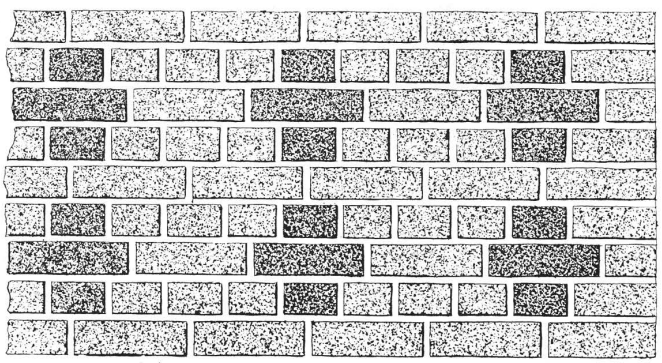


FIG. 4—ENGLISH CROSS OR DUTCH

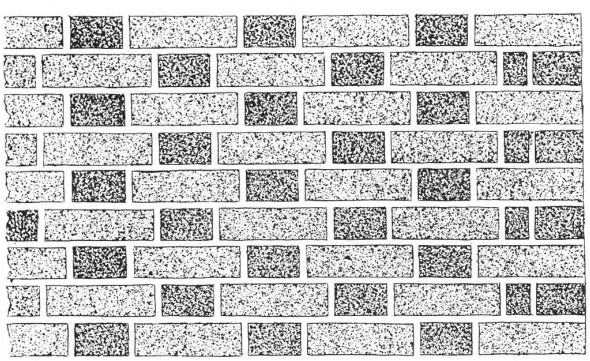


FIG. 5—FLEMISH

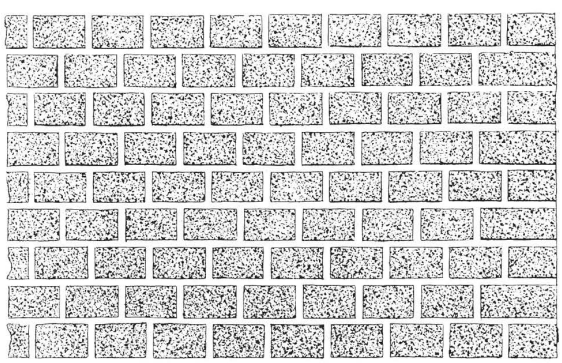


FIG. 6—HEADER

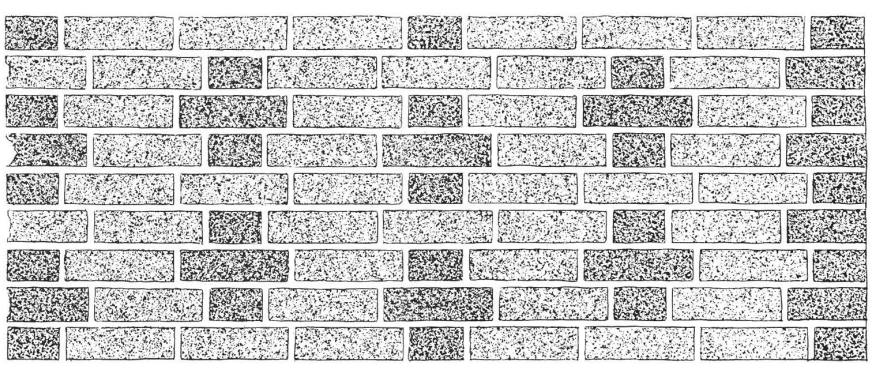
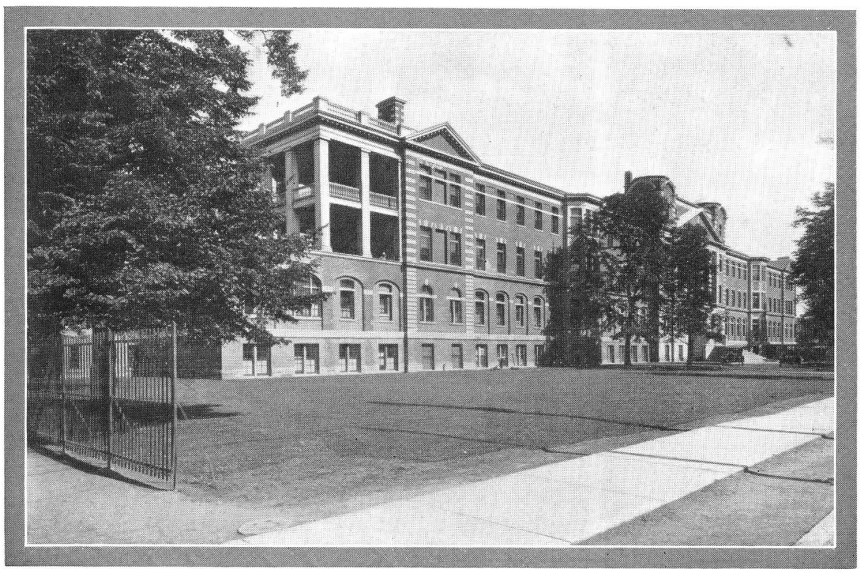
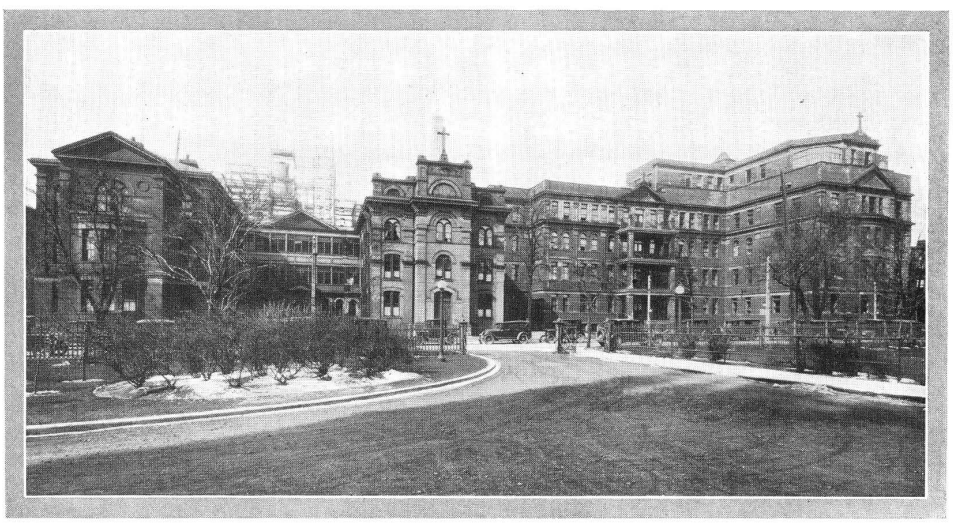


FIG. 7—THREE-STRETCHER GARDEN WALL



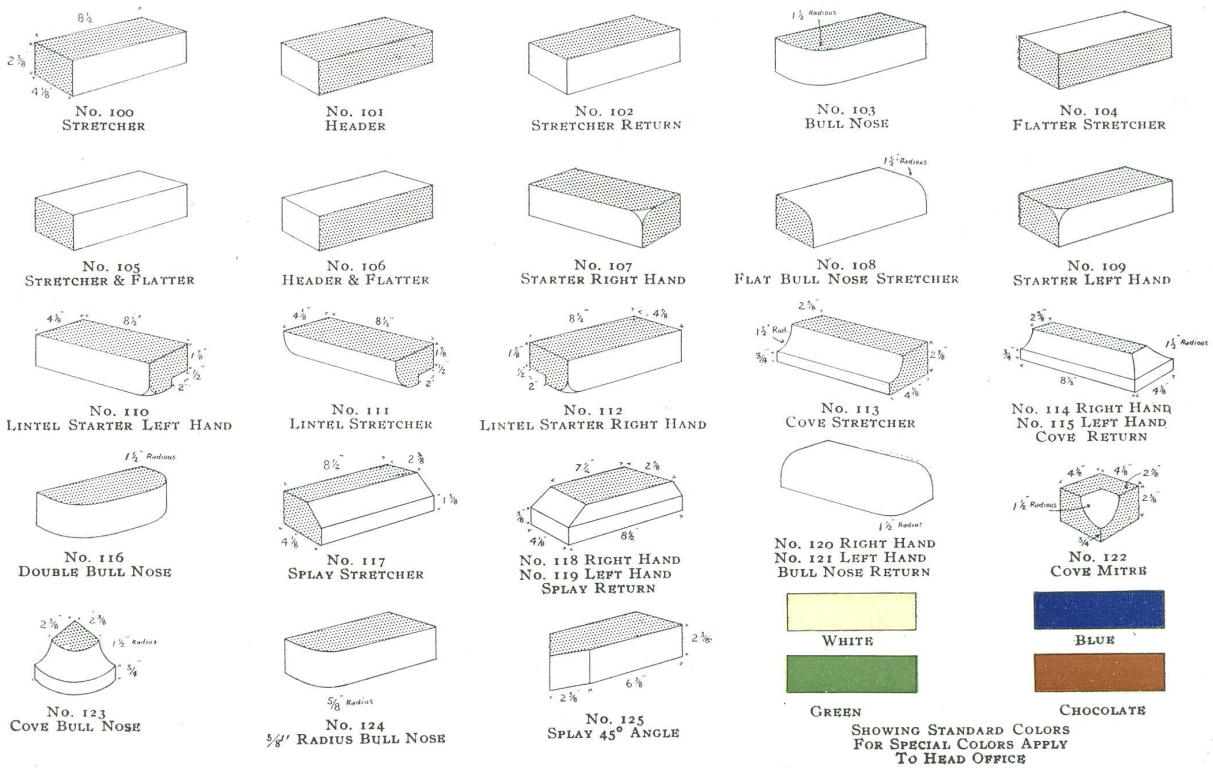
WESTERN HOSPITAL
TORONTO
Architect: E. J LENNOX
Contractors: PAGE & CO.

RED PRESSED BRICKS are unsurpassed in Beauty and Lasting Qualities. These Hospitals are two of many examples of DON VALLEY PRODUCTS having stood the Test of Time



ST. MICHAEL'S HOSPITAL
TORONTO

ENAMELLED BRICKS



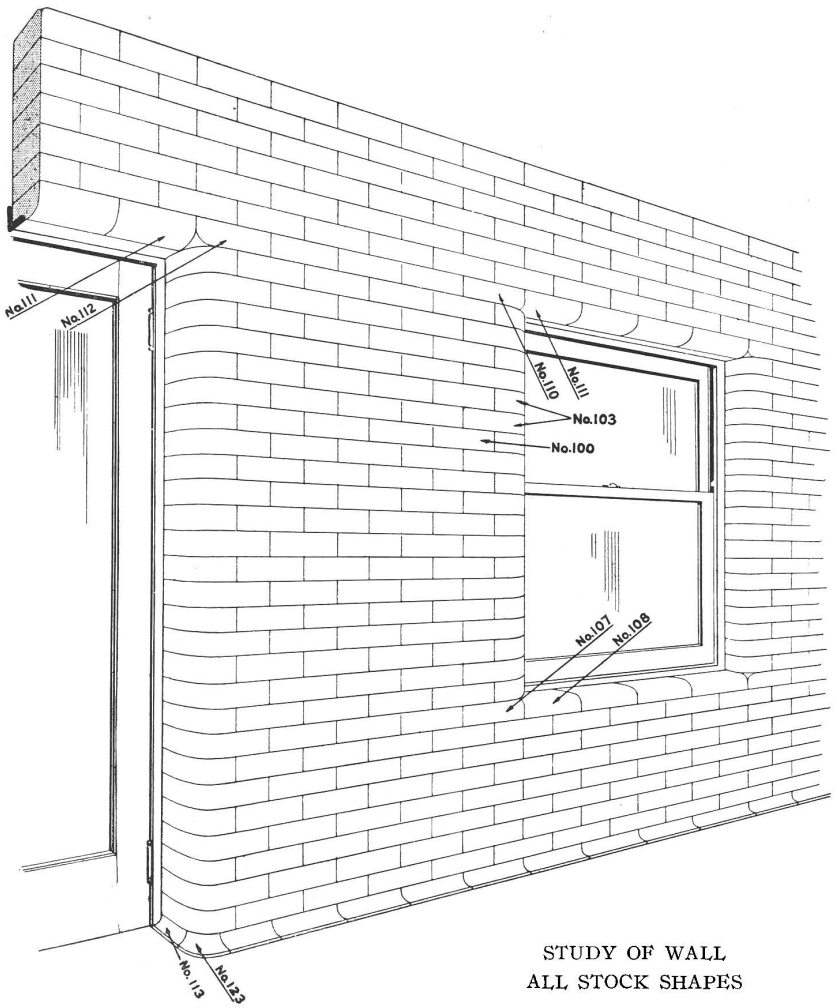
A large stock of Enamelled Bricks is always kept on hand, but on account of the large variety of shapes it is advisable to place orders well in advance so as to insure prompt delivery when required.

We deliver by truck within a reasonable distance of Toronto.

Quantities of 3,000 bricks or more are shipped by freight, uncrated and well packed in straw.

Small quantities are shipped in crates of 54 bricks each. There is a charge of $1.50 per crate for labor and cartage to station.

Each brick weighs about 6 lbs.



STUDY OF WALL
ALL STOCK SHAPES

When placing orders for bricks always give the brick number and color. Avoid delay by using stock shapes and colors.

Our bricks are made from the famous Don Valley shale beds, suitable in quality and having the necessary ingredients to make first class enamelled bricks.

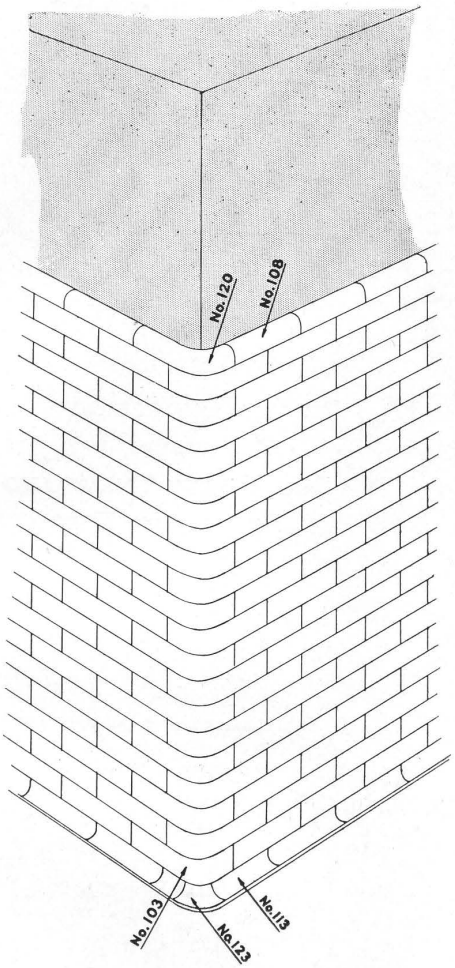
Samples gladly supplied to prospective users, express prepaid.

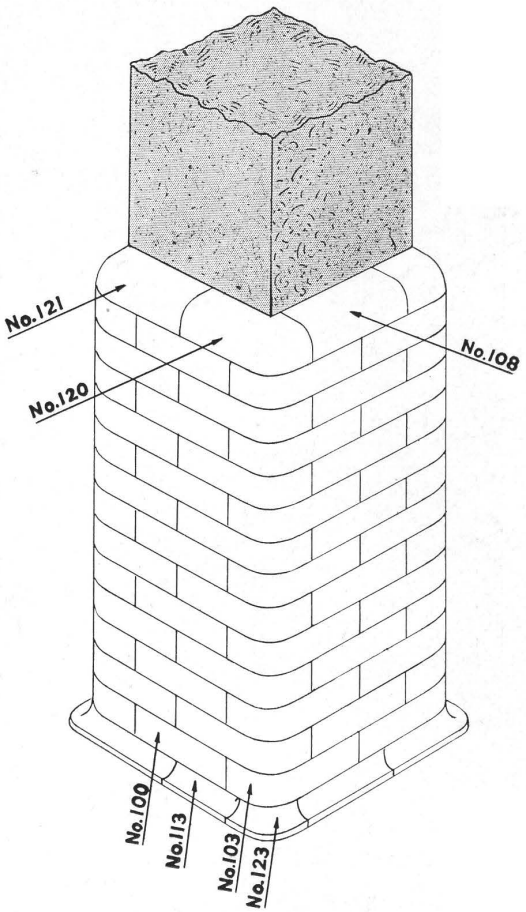
Standard size of brick 8½" x 4⅛" x 2⅜". All business given prompt attention.

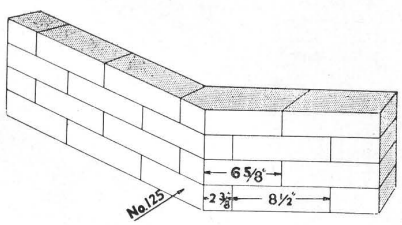
Our Enamelled Bricks are cleaned best with a solution of caustic soda, which does not affect cement or lime mortar.

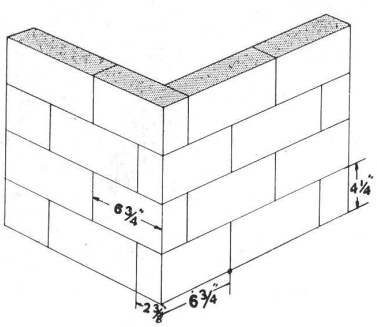
Where special shapes or colors are desired by architects or prospective users we invite correspondence with regard to same.

KINDLY ORDER EXACT QUANTITIES—BRICKS NOT RETURNABLE



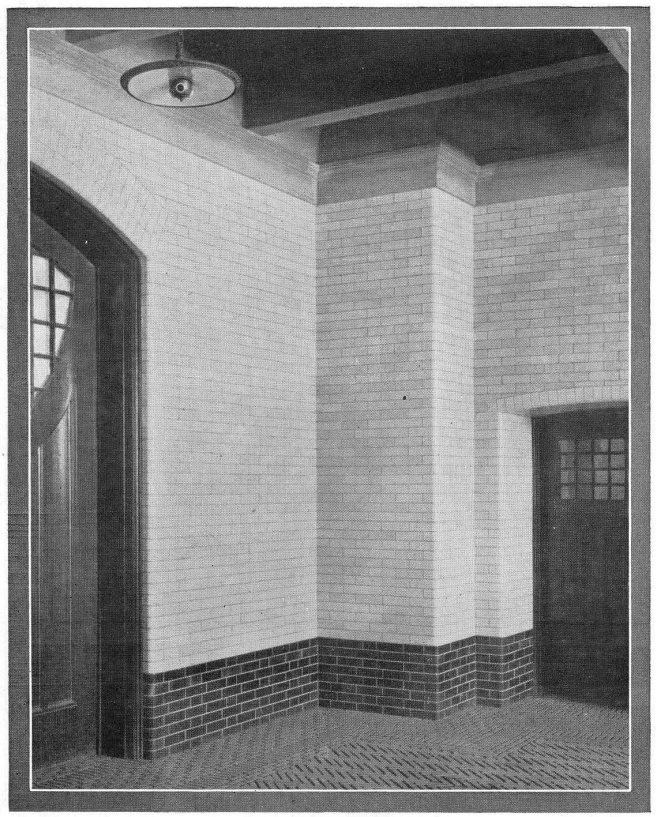






NOTE: Lintel Bricks are rebated to allow for angle iron. See pages 39 and 40. Enamelled Bricks should be used wherever light and cleanliness are essential.

Care should be taken in estimating quantities as owing to the danger of damage lying around the job and rehandling Enamel Bricks are NOT returnable.

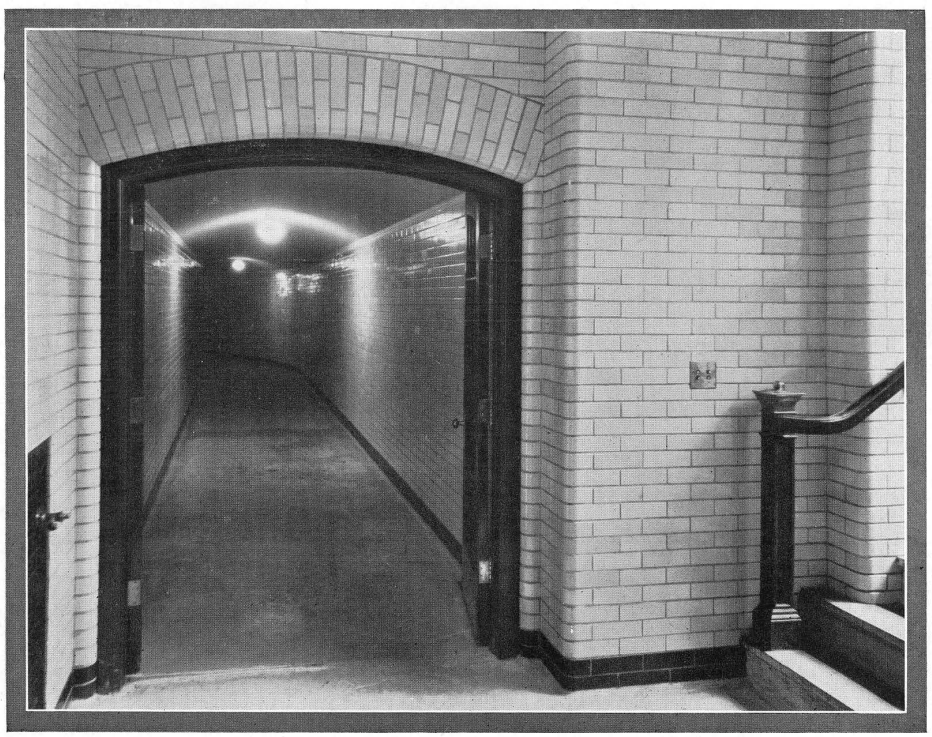


"CASA LOMA"
"A Corner in the Stables"
at the Palatial Chateau
of Sir Henry Pellatt
Toronto

ENAMELLED BRICK

Beauty and Cleanliness where Don Valley Enamelled Bricks are Used

Below:
"ARDWOLD"
The Residence of Lady Eaton
The Tunnel leading from
Residence to Swimming Pool.



HOLLOW BRICK

Hollow Brick can often be used to advantage for lining the inside of a wall to take the place of furring, or to back up stone, architectural Terra Cotta, or Face Brick when saving in dead load is necessary in adding height to existing buildings.

Our Hollow Brick will weigh about four pounds each (about two-thirds the weight of an ordinary common brick) and are the same size as a common brick, namely, 2⅜″ x 4⅛″ x 8½″, the brick being made with two voids running lengthwise through the brick.

We keep a large stock of this material on hand and shipments can be made promptly.

DON VALLEY TERRA COTTA TILE

ITS ADVANTAGES AND USES

The following pages will show standard shapes and sizes of Hollow Terra Cotta Tile in general use, but we have not attempted to show all of the shapes and sizes it is possible to make. We shall be glad to submit details of tile to meet special conditions.

We believe that our many years experience with Hollow Terra Cotta Tile should make our advice in its uses of value to the prospective user and we invite enquiries.

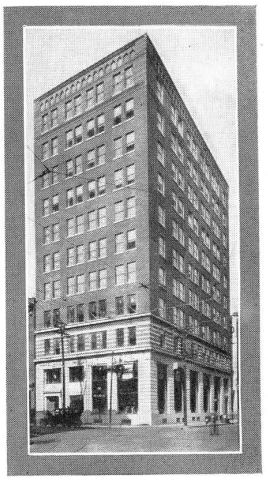
Terra Cotta Hollow Tile has been in use now many years for fireproofing structural steel, interior partitions, wall furring, floor and roof arches, load-bearing wall construction, and for long span reinforced concrete floor construction as a filler.

No material used in a building serves its purpose better than hollow tile and it has played a large part in the development of modern construction methods. The very high fire-resisting qualities, great compressive strength, adaptability, economy, and light weight, durability, and speed with which it can be erected and no cost for maintenance, make this material highly desirable to the Architect, Engineer, and Builder.

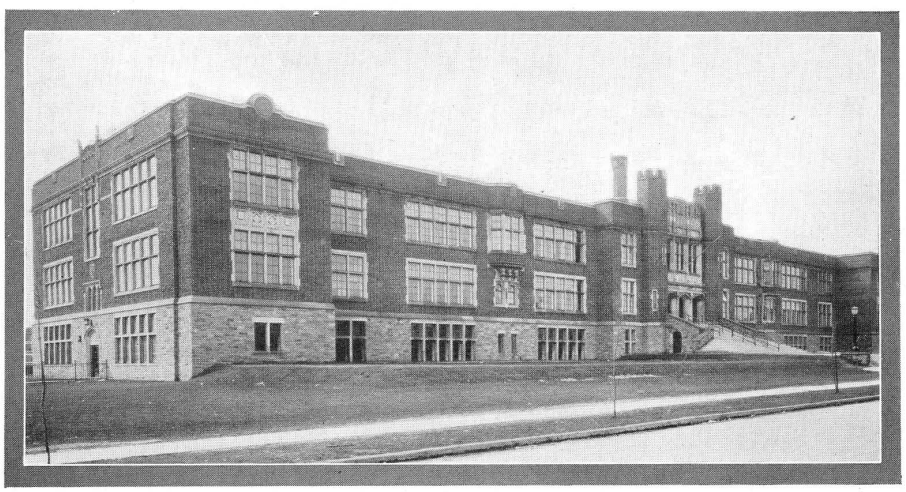
Large stocks of all the standard types of tile are always kept on hand and we can make prompt shipments at any time. We not only guarantee prompt delivery but furnish material of the very highest quality. Our Terra Cotta Tile has been used in many important buildings and has always given perfect satisfaction, the material being made in accordance with standards adopted now almost universally.

THE ROYAL BANK BUILDING
TORONTO
Architects: ROSS & MCDONALD
Contractors: GEO. A. FULLER CO., LTD.

Two examples of
DON VALLEY FLAT ARCH
FLOOR CONSTRUCTION



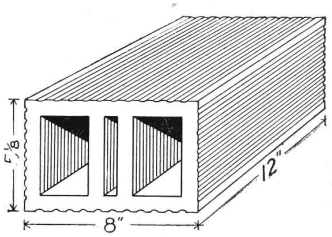
REFORD BUILDING
TORONTO
Faced with "EATONIA" BRICKS
Architect: S. G. CURRY
Contractors:
CARSWELL CONSTRUCTION CO., LTD



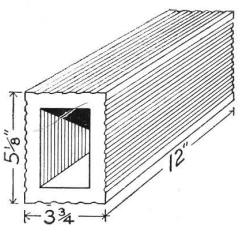
RIVERDALE TECHNICAL SCHOOL
TORONTO
Architect: BOARD OF EDUCATION Contractors: WITCHALL & SON

THE "DON" METHOD OF HOLLOW TILE WALL CONSTRUCTION

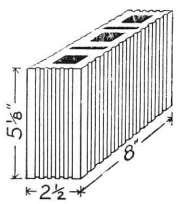
Don Valley Load Bearing Wall Tile has many advantages—easier to handle—light in weight—perfect alignment of the webs distributes the load evenly—keeps the building insulated against heat or cold—reduces coal bills—is economical—will carry a far greater load than is required by the City of Toronto Building Laws. Made from the famous Don Valley Shale, this Tile will endure for generations.



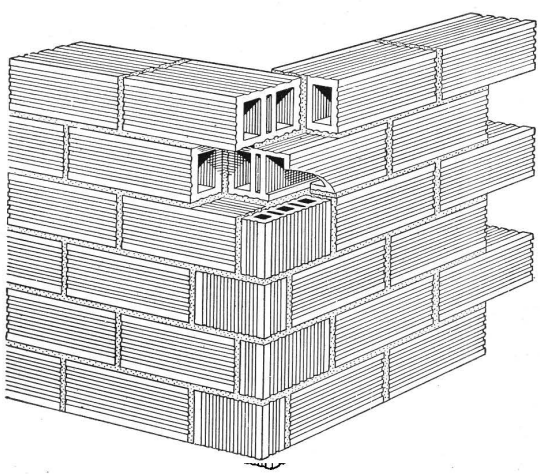
STANDARD TILE
Weight about 18 lbs.



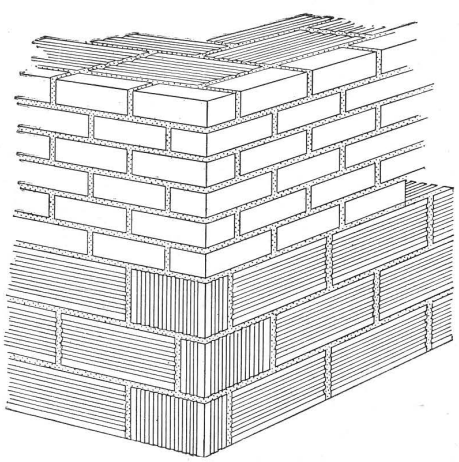
HALF TILE
Weight about 9 lbs.
All webs ¾ in. thick.



CORNER AND JAMB TILE
Weight about 5 lbs.

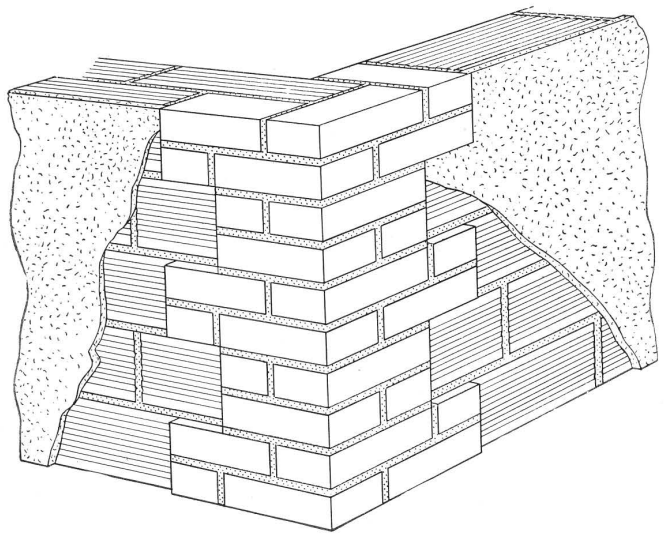


VIEW OF CORNER
Note the Perfect Bonding



VIEW OF CORNER SHOWING PART BRICK VENEER
Each course of Tile equals two courses of Brick

DATA FOR ESTIMATING QUANTITIES ON PAGE 50

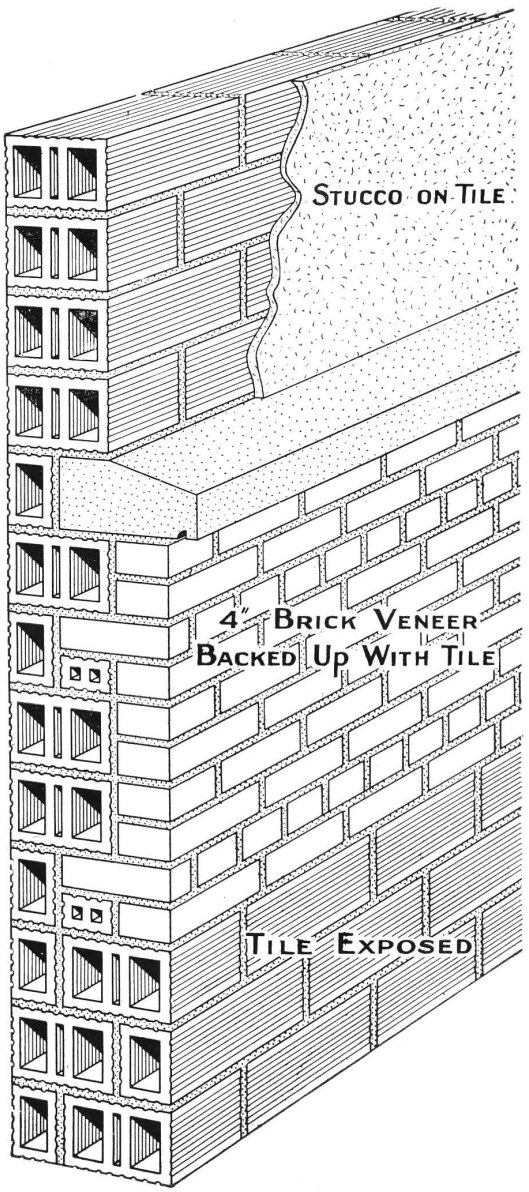


DETAIL OF BRICK CORNER

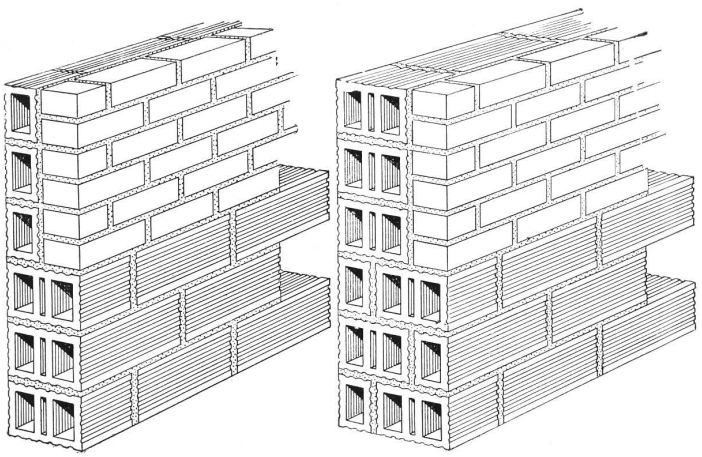
For Stucco Walls where Brick Trim is required, Don Valley Load Bearing Tile is Unexcelled.

Samples and Prices gladly furnished upon request.

The saving in Mortar and Labor reduces building costs.



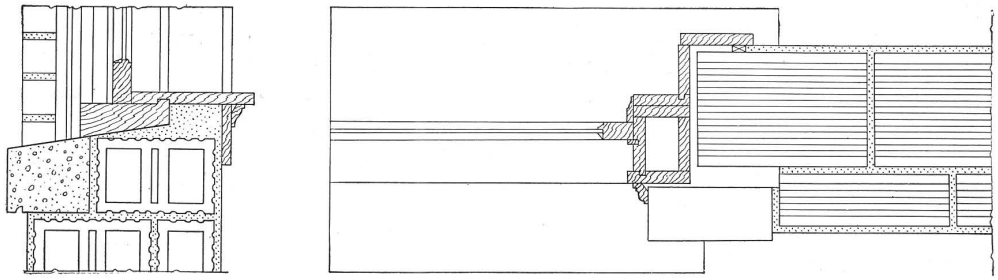
DETAIL SHOWING HOW THE TILE MAY BE USED IN CONNECTION WITH BRICK—STONE OR STUCCO



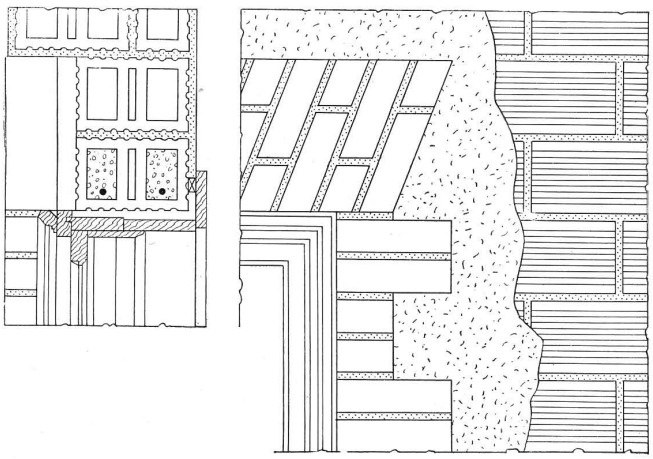
8" WALL 12" WALL

Showing Part Brick Veneer

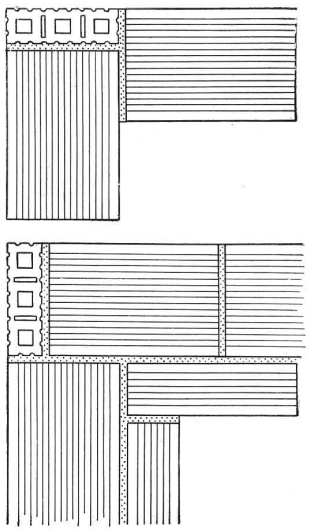
A large stock of this material always on hand and prompt shipments can always be made.



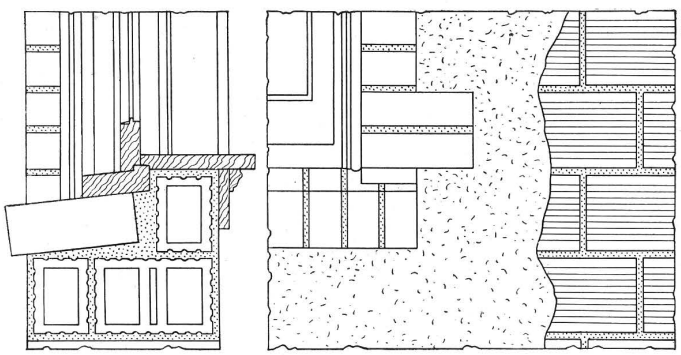
DETAIL AT WINDOW SILL SHOWING STONE SILL AND BRICK TRIM



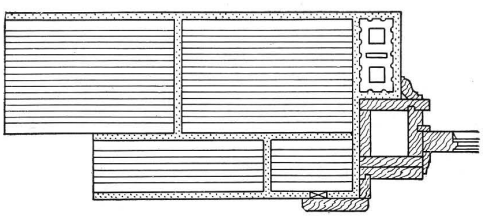
DETAIL AT WINDOW HEAD
Note reinforced lintel and adaptability of the Tile to modern construction.



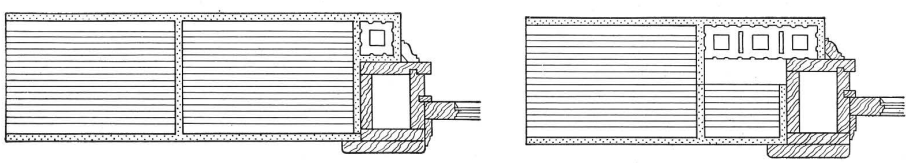
PLAN SHOWING CORNERS FOR 8″ AND 12″ WALLS



DETAIL AT WINDOW SILL SHOWING BRICK SILL AND BRICK TRIM

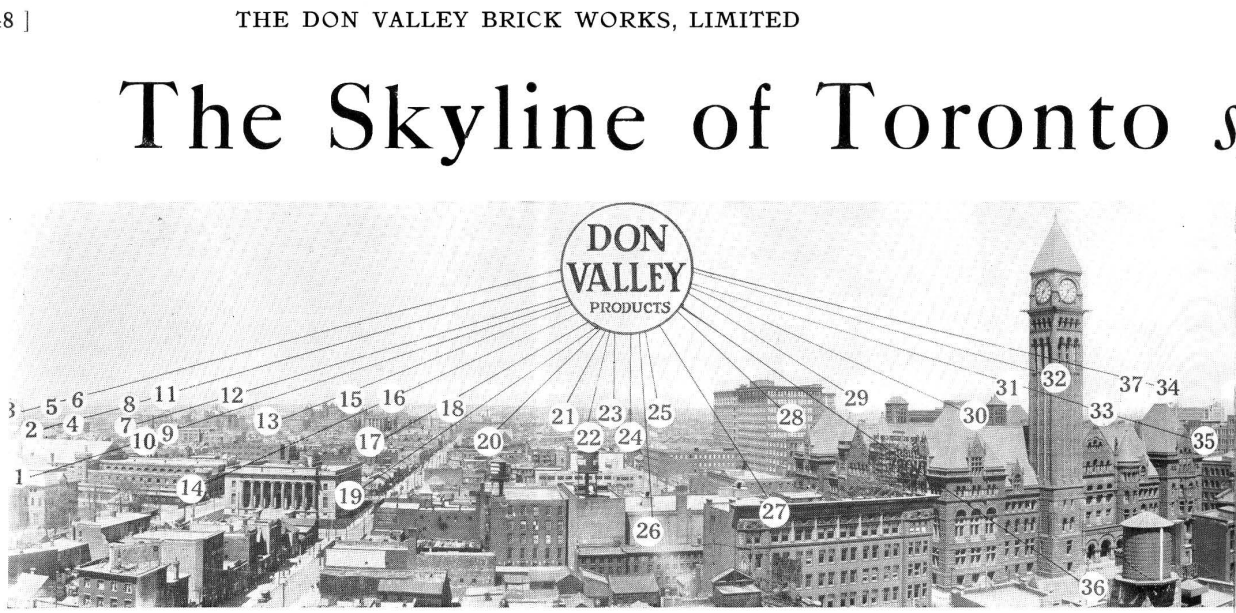


WINDOW JAMB 12″ WALL, 6″ REVEAL



WINDOW JAMBS 8″ WALL, 3″ REVEAL

The Skyline of Toronto



The sky-soaring pen of building construction dips its trowel-like nib into the bottom ever-changing skyline of

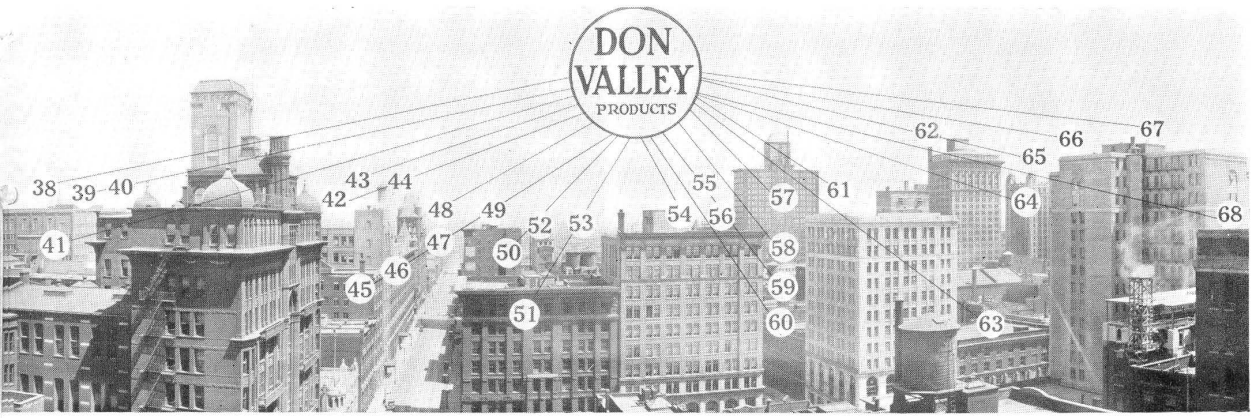
1—AB —Osgoode Hall (addition)
2— B —Highway Building, Ontario Government
3— B —Mt. Carmel Church (formerly St. Patrick's)
4—AB —Ontario Hydro-Electric Administration Building
5—ABC—Central Technical School
6— B —Oakwood Collegiate
7— B —Forestry Building, Toronto University
8—AB —Hillcrest Shops, Toronto Transportation Commission
9—AB —Administration Building, Board of Education
10— B —Orde St. School
11— B —Engineering Building
B —Dental College
B —Physics Building
B —Thermo-Dynamics Building
B —Convocation Hall
} University of Toronto
12—AB —"Casa Loma" (Sir Henry Pellatt's Residence)
BC—Sir Henry Pellatt's Stables
ABC—"Ardwold" (Lady Eaton's Residence)
13—AB —Hart House, University of Toronto
B —Trinity College
14—AB —Armouries
15—AB —Parliament Buildings
16— B —Toronto Reception Hospital
17—AB —Toronto General Hospital
18—AB —Whitney Block (Ontario Government Office Building)
19—AB —Registry Building
20—AB —Sick Children's Hospital
21—AB —Willys-Knight Overland Co.
22— B —T. Eaton Co.'s Garage
23—AB —Bank of Commerce, Bloor and Yonge
24— B —T. Eaton Co.'s Stables
25—AB —Traders' Bank Apartments
26—ABC—Hippodrome Theatre
27— B —Manning Chambers
28— B —T. Eaton Factory
29—AB —Lieutenant-Governor's Residence
30— B —T. Eaton Co.'s Furniture Building
31—AB —Pantages Theatre
32— B —City Hall

A—Terra Cotta Fireproofing (Hollow Tile)
B—Brick
C—Enamelled Brick

THE above is a panoramic view of Toronto looking north from the down-town business section, and showing some of the many buildings in which Don Valley Products are used. Every street has buildings built of Don Valley Bricks or fireproofed with Don Valley Hollow Tile. Our products are specified by architects and used by builders because of the uniform high quality merits which years of service have shown them to possess. Toronto has been called a "brick city." Not only institutional, commercial and industrial buildings, but 90 per cent. of the residences are of brick, and as Don Valley Products are used greatly in excess of all other makes, it can be safely inferred that to their unfailing dependability, brick owes much of its popularity in Toronto's upbuilding.

[49]

pells Don Valley Products



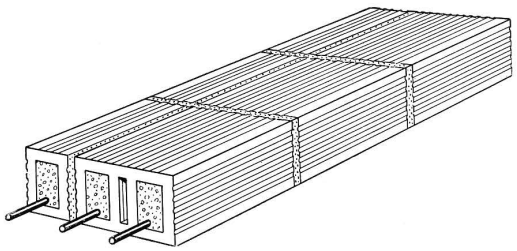
ess well of Don Valley Products and records, in enduring masonry, their claim to the his Canadian Manhattan

ARCHITECTS and Builders who are erecting buildings of brick construction have two big requirements that their material must fulfill. It must be up to the accepted standard of quality, and they must be assured of speedy and regular deliveries. The Don Valley Brick Works are so situated that deliveries of Don Valley Products can be made to any part of the city on the shortest notice, and the plant is of such an extent that the largest contracts can be undertaken with the assurance of getting the material promptly on the job.

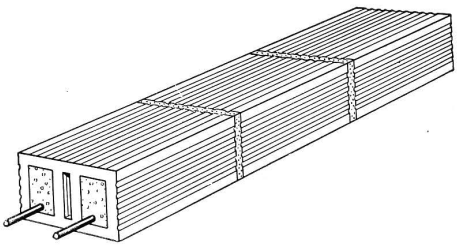
The other requirement mentioned, that of quality, is most amply fulfilled. The clay beds operated by this company are unrivalled for the making of bricks and terra cotta fireproofing. In color, texture and structural stability, Don Valley Products are the first choice of those who wish to get the results their building plans call for.

33— B —Massey Hall
34—AB —Robert Simpson Co.'s Mail Order Building
35— B —Nordheimer Building
36—AB —Comedy Theatre (formerly Gayety)
37— B —Arena
38—AB —St. Michael's Hospital
B —St. Michael's School
39—AB —Heintzman & Co.'s Building
40—AB —Loew's Theatre
41— B —T. Eaton Co.'s Departmental Store
42— B —House of Providence
43— B —Victor Mission
44—AB —Confederation Life Building (Queen Street Annex)
45— B —London & Lancashire Insurance Co. (formerly World Bldg.)
46—A —Robert Simpson Departmental Store
47— C—Orr Bros.' Building
48—AB —McLaughlin Motor Co.'s Building, Church & Richmond Sts.
49—AB —Shea's Theatre
50—AB —Kent Building
51— B —Continental Life Building
52—AB —St. James Parish House
53— B —Christie Brown Co.'s Building
54—AB —Excelsior Life Building
55—AB —Lumsden Building
56—AB —Canadian Mortgage Building
57—AB —Toronto Hydro-Electric (Adelaide St. Building)
AB —Metropolitan Building
58— B —Holt Renfrew Building
59— B —Empire Theatre
60—AB —Bell Telephone Building, Temperance St.
61—AB —Imperial Oil Co.'s Building (addition)
62—AB —Royal Bank Building
63— B —Stair Building
64— BC—C.P.R. Building
65—AB —Bank of Hamilton Building (formerly Traders' Bank Building)
66— B —Dominion Bank Building
AB —Toronto Transportation Commission's Office Building
67—AB —Standard Bank Building
68—AB —Bell Telephone Building, Adelaide St.

A—Terra Cotta Fireproofing (Hollow Tile)
B—Brick
C—Enamelled Brick



12″ x 5⅛″ LINTEL



8″ x 5⅛″ LINTEL

REINFORCED TILE LINTELS

TABLES OF SAFE LOADS FOR UNIFORMLY LOADED LINTELS—SAFETY FACTOR OF TEN

CONCRETE MIX 1.2.4

12″ x 5⅛″ LINTELS

SPAN	2—⅜″ BARS	2—¾″ BARS TOP 2—½″ BARS BOTTOM
3 ft.-0 in.	3300 lbs.	4500 lbs.
4 ft.-0 in.	2490 lbs.	4500 lbs.
5 ft.-0 in.	1960 lbs.	4500 lbs.
6 ft.-0 in.	1650 lbs.	4200 lbs.
7 ft.-0 in.	1410 lbs.	3600 lbs.
8 ft.-0 in.	1260 lbs.	3150 lbs.

For Lintels 20 in. wide add Loads for 8 in. and 12 in. Lintels.

8″ x 5⅛″ LINTELS

SPAN	2—⅜″ BARS	2—¾″ BARS TOP 2—½″ BARS BOTTOM
3 ft.-0 in.	2200 lbs.	3000 lbs.
4 ft.-0 in.	1660 lbs.	3000 lbs.
5 ft.-0 in.	1320 lbs.	3000 lbs.
6 ft.-0 in.	1100 lbs.	2800 lbs.
7 ft.-0 in.	940 lbs.	2400 lbs.
8 ft.-0 in.	840 lbs.	2100 lbs.

For Lintels 16 in. wide double these Loads.

DATA

CRUSHING STRENGTH

Per sq. ft. of wall	108,000 lbs.
Per sq. in. of wall	750 lbs.
Per sq. in. of web	2,000 lbs.

SAFE LOADS—SAFETY FACTOR 10

Per sq. ft. of wall	10,800 lbs.
Per sq. in. of wall	75 lbs.
Per sq. in. of web	200 lbs.

ESTIMATING QUANTITIES

One Standard Tile displaces 5.6 Brick
178 Standard Tile equals 1000 Brick
One cubic foot of Tile Wall weighs 65 lbs.
One cubic foot of Brick Wall weighs 125 lbs.

For quantity of corner Tile required, Multiply lineal feet of corners by two.

Standard Tile 8″x5⅛″x12″, weight about 18 lbs.
Half Tile 3¾″x5⅛″x12″, weight about 9 lbs.
Corner Tile 2½″x5⅛″x 8″, weight about 5 lbs.

NUMBER OF TILE REQUIRED FOR ONE SQ. FT. OF WALL

8 in. wall	2.17 Standard Tiles
12 in. wall	2.17 Standard Tiles and 2.17 Half Tiles
16 in. Wall	3.25 Standard Tiles and 2.17 Half Tiles
20 in. Wall	4.34 Standard Tiles and 2.17 Half Tiles

The above is based upon using ½ in. joints.

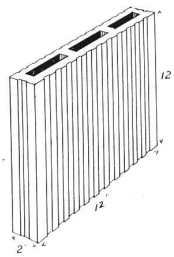
Where Tile is used to back up Brick the above quantities are reduced about 10 per cent, depending upon the frequency of the headers. The Tile Wall requires ⅛ less mortar than brick.

Don Valley Load Bearing Tile may be used any place where brick may be used with the exception of piers or pilasters carrying girders, where tile filled with concrete, solid brick or solid concrete should be used.

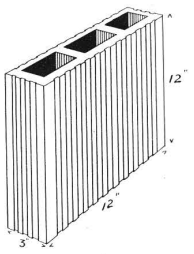
Users of our Tile have found that there is a greater saving in labor and mortar than with any other type of wall construction. It meets all the requirements of first class materials and workmanship.

All Standard sizes of Partition Tile also carried in stock, as well as Terra Cotta Flat Arches and Girder Fireproofing. (*See pages 51-56.*)

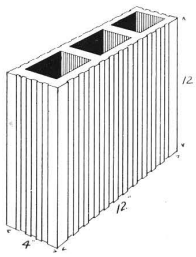
TERRA COTTA PARTITION TILE



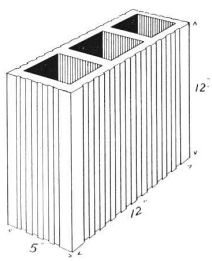
2" x 12" x 12"—13 lbs.



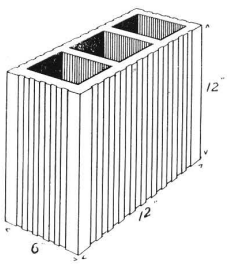
3" x 12" x 12"—15 lbs.



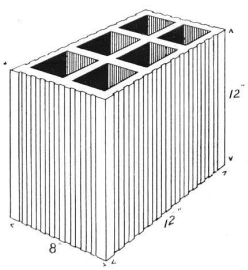
4" x 12" x 12"—18 lbs.



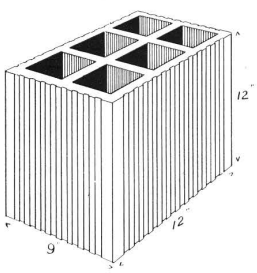
5" x 12" x 12"—20 lbs.



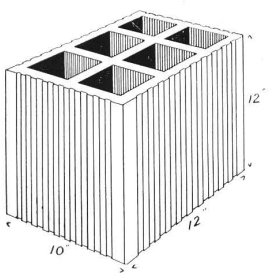
6" x 12" x 12"—24 lbs.



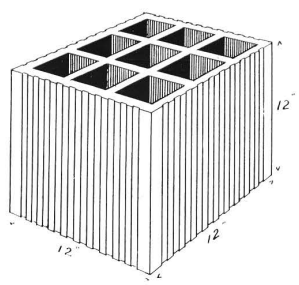
8" x 12" x 12"—33 lbs.



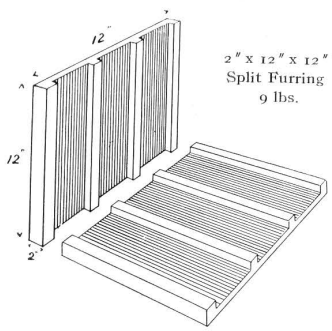
9" x 12" x 12"—36 lbs.



10" x 12" x 12"—40 lbs.



12" x 12" x 12"—50 lbs.



2" x 12" x 12"
Split Furring
9 lbs.

STANDARD SIZES AND APPROXIMATE WEIGHTS

Don Valley Terra Cotta Tile has been in use for fireproof partitions, column covering, wall furring and vent shafts, etc., for many years. The tile is made in accordance with standards adopted now almost universally for this type of material. Our material has always given perfect satisfaction and service and our capacity for producing this material assures the purchaser of prompt shipment when required. We always have a large stock of the above sizes on hand. Special shapes and sizes are made to order. The weights given above are approximately correct but will vary slightly.

The larger units make excellent construction for walls of buildings where appearance is not a factor, and show great economy in labor.

The crushing strength of this tile is approximately 2,000 lbs. per square inch of material, the webs of the tile being ¾ in. thick.

The height to which the various thicknesses of partition tile may be used is governed by Building By-Laws in most localities. See page 56. Partitions not carrying loads may be laid with the voids running horizontally or vertically, except the top course, which should always be laid with the voids horizontal, giving a solid bed of mortar between the tile and the floor construction above.

FLAT ARCH FLOOR CONSTRUCTION

TYPICAL FLAT ARCH—CARRIED ON SMALL I-BEAMS

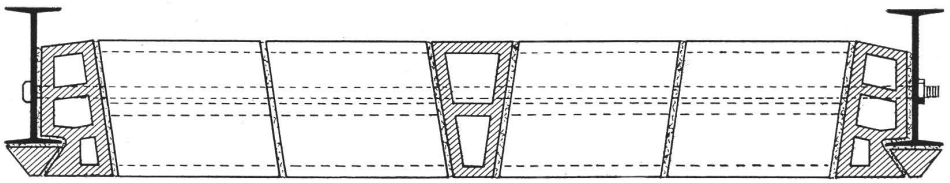
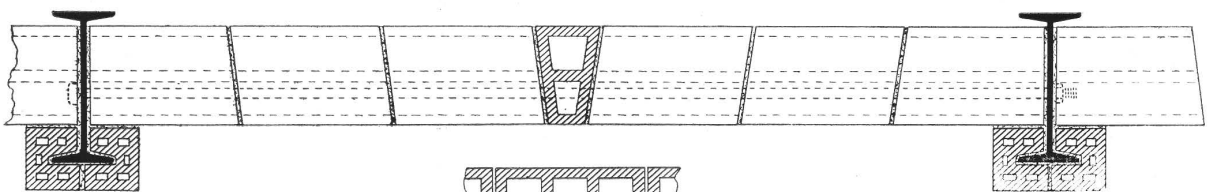


TABLE OF SAFE LOADS (Total Dead and Live)

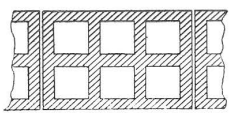
POUNDS PER SQUARE FOOT

Weight of Arch	Depth of Arch	Spans in feet and inches	3′-0″	3′-6″	4′-0″	4′-6″	5′-0″	5′-6″	6′-0″	6′-6″	7′-0″	7′-6″	8′-0″	8′-6″	9′-0″
25 lbs.	6″	Safe Loads in pounds per square foot	485	357	274	217	176								
33 lbs.	8″		770	568	436	346	281	237	196	168					
40 lbs.	10″		1123	824	632	502	408	338	285	242	211	185			
50 lbs.	12″		1532	1130	865	685	558	463	391	332	290	253	224	198	179

TYPICAL FLAT ARCH—CARRIED ON LARGE I-BEAMS



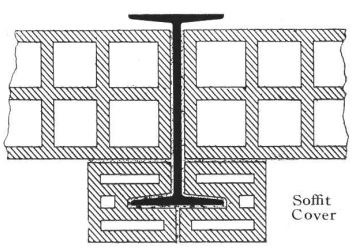
CROSS SECTION THROUGH CENTRE OF SPAN



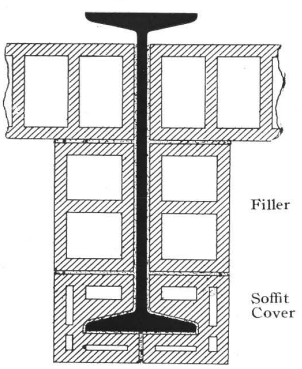
This type of floor construction must, necessarily, be used in conjunction with steel skeleton. It has been used successfully in large office buildings, hotels, hospitals, etc. Its popularity is due to its lightness of weight, low cost of material, erection, etc.

Centering costs are reduced to a minimum, as a large building requires only a small quantity of form material.

This type of floor is the acme of fireproof and soundproof construction.



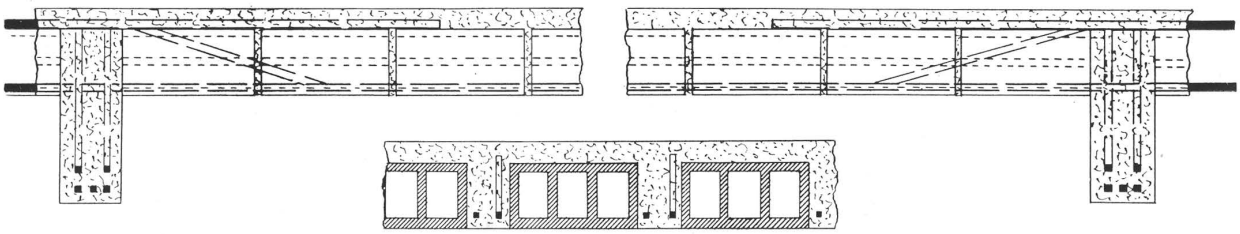
Fireproofing of Steel Tie Beam in Flat Floor Arch Construction



Typical Fireproofing of Steel I-Beam

FLOOR SYSTEMS

"LONG SPAN" COMBINATION HOLLOW TILE AND CONCRETE SLABS



CROSS SECTION
THROUGH CENTRE OF SPAN
Detail of Typical Long Span Combination Hollow Tile and Reinforced Concrete Floor Construction carried on Reinforced Concrete Beams.

Hollow Tile has proven to be not merely a fireproofing material but also very useful as a structural material capable of resisting compressive and shearing stresses.

Long span combination tile and concrete floor construction is equally well adapted to steel or reinforced concrete skeleton construction or as an ordinary wall bearing slab. It has been used successfully in many buildings of all sizes and descriptions, such as office buildings, schools, hospitals, apartment houses, hotels, etc.

It is generally used most economically in spans of from fifteen feet to twenty feet, but has been used in longer and shorter spans.

ADVANTAGES.—Rapidly constructed, due partly to elimination of considerable form work, it causes reduction in construction cost. It provides a flat ceiling to which plaster readily adheres. It is an excellent sound insulator. An "all-tile" ceiling may be provided by the use of a thin soffit slab which is laid on the form under the concrete joist prior to pouring.

EXPLANATORY NOTES

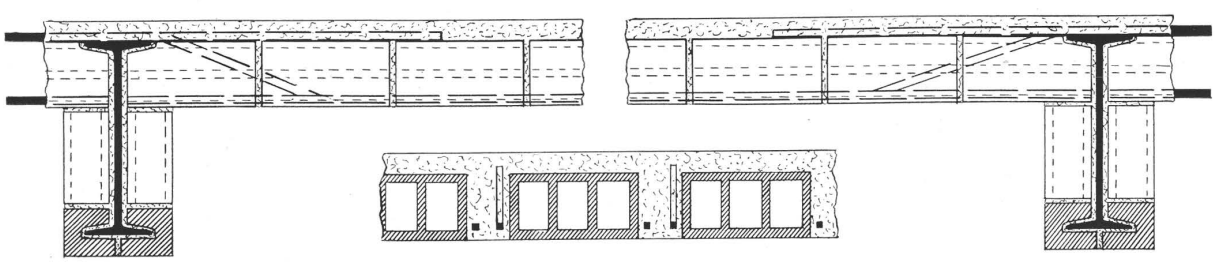
BASED ON TORONTO BUILDING BY-LAW NO. 9868 PASSED DECEMBER 10TH, 1923

Bending Moments—Where W = the total uniformly distributed load (dead and live)
and L = length of span
the Bending Moments for slabs shall be assumed at not less than:—

$\frac{WL}{8}$ at centre when simply supported.

$\frac{WL}{10}$ for both negative and positive when continuous at both supports.

NEGATIVE BENDING MOMENTS SHOULD BE INVESTIGATED, AND, ALSO, IN THE CASE OF SHORT SPANS AND HEAVY LOADS, HORIZONTAL AND VERTICAL SHEAR SHOULD NOT BE OVERLOOKED.



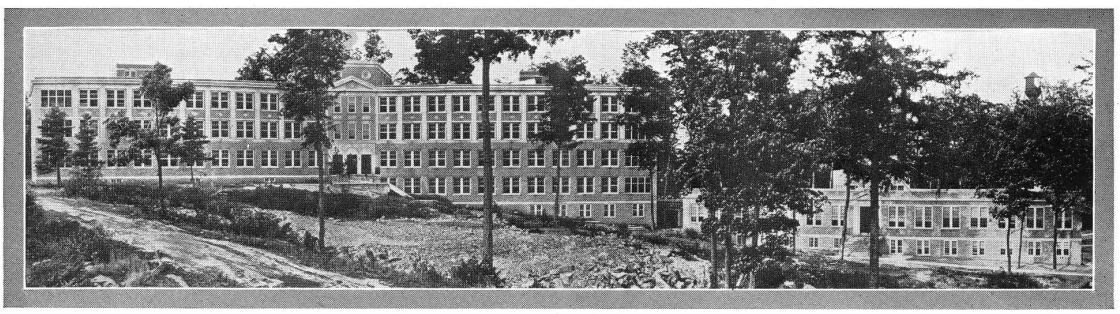
CROSS SECTION
THROUGH CENTRE OF SPAN
Typical Long Span Combination Hollow Tile and Reinforced Concrete Floor Construction carried on Steel I-Beams with Hollow Tile Girder Covering.

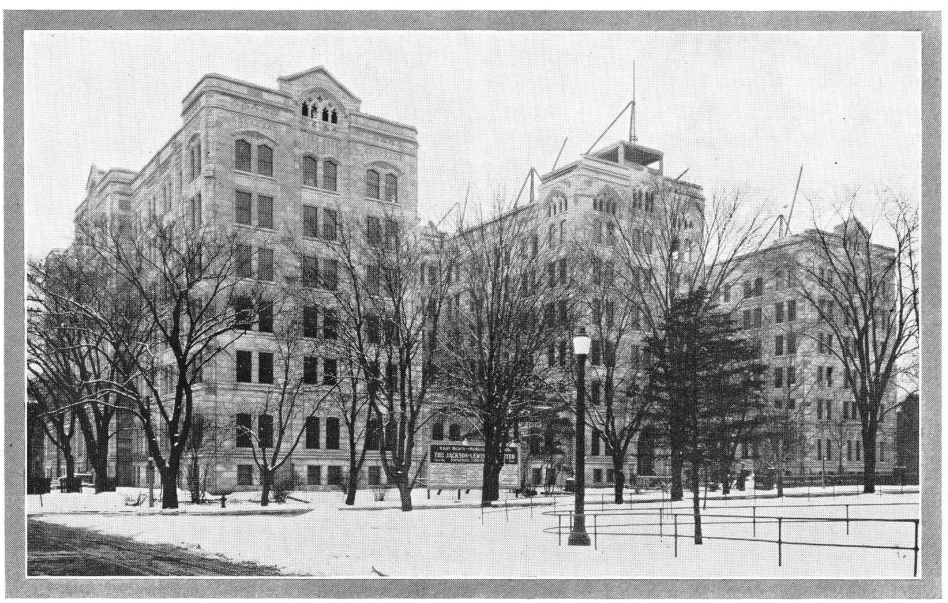
An Example of Load Bearing
Hollow Tile Backing for Stone Facing.

HOLY NAME R.C. CHURCH
TORONTO
Architect: A. W. HOLMES
Contractors: WITCHALL & SON

Don Valley Face Brick Flat Arch
Floors and Partition Tile.

MUSKOKA SANITARIUM
GRAVENHURST
Architect: C. S. COBB
Contractors: JACKSON-LEWIS CO., LTD.





Architect: F. R. HEAKES
DEPT. OF PUBLIC WORKS

EAST BLOCK
PROVINCIAL PARLIAMENT BUILDINGS
TORONTO

Contractors:
JACKSON-LEWIS CO., LTD.

Partition, Furring, and Floor Tile supplied by THE DON VALLEY BRICK WORKS, LIMITED

"LONG SPAN" COMBINATION HOLLOW TILE AND CONCRETE SLABS (Cont.)

LOAD TABLES.

All reinforcing rods or bars shall be so placed that distance from face of steel to nearest face of concrete shall not be less than the diameter of rod or bar, nor in any case less than ¾".

For weight and areas of reinforcing rods, refer to steel handbooks.

fc = 650 pounds per square inch $\frac{Ec}{Es} = \frac{1}{15}$ 4" concrete joists 16" c. to c. 2" concrete top.

fs = 16000 pounds per square inch ¾" concrete under reinforcing steel.

NOTE:—These tables are intended as a guide in structural design and are a close approximation of actual requirements.

COMBINATION TILE AND CONCRETE SLAB TABLE OF SAFE LOADS (Total Dead and Live)

POUNDS PER SQUARE FOOT.

The left-hand figure in HEAVY TYPE denotes depth of tile.

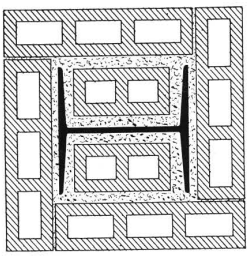
The right-hand figures in LIGHT TYPE denote area of reinforcing steel contained in each concrete joist to give slab required strength.

TOTAL $\frac{WL}{8}$	100	120	140	150	160	175	200	225	250
LOAD $\frac{WL}{10}$	125	150	175	185	200	220	250	280	310
$\frac{WL}{12}$	150	180	210	225	240	260	300	335	375
SPAN 6'-0"				3/ .189	3/.201	3/.219	3/ .259	3/ .291	3/ .319
8'-0"	3/.231	3/.269	3/.322	3/ .341	3/.370	3/.399	3/ .459	4/ .409	4/ .462
10'-0"	3/.359	3/.432	4/.401	4/ .429	4/.461	4/.502	4/ .569	5/ .532	5/ .590
12'-0"	4/.411	4/.491	4/.579	5/ .511	5/.548	5/.599	5/ .679	6/ .652	6/ .720
13'-0"	4/.481	4/.579	5/.564	5/ .603	5/.638	5/.702	6/ .683	6/ .768	6/ .829
14'-0"	4/.562	5/.557	5/.653	5/ .688	6/.631	6/.689	6/ .792	6/ .869	8/ .778
15'-0"	5/.533	5/.639	6/.634	6/ .679	6/.722	6/.787	6/ .894	8/ .811	8/ .888
16'-0"	5/.602	5/.721	6/.719	6/ .769	6/.816	8/.708	8/ .811	8/ .918	10/ .834
17'-0"	5/.681	6/.701	6/.808	6/ .862	8/.728	8/.799	8/ .922	10/ .839	10/ .943
18'-0"	6/.652	6/.778	6/.890	8/ .768	8/.822	8/.901	10/ .848	10/ .949	12/ .866
19'-0"	6/.729	8/.679	8/.801	8/ .857	8/.921	10/.832	10/ .951	12/ .868	12/ .966
20'-0"	6/.809	8/.758	8/.888	8/ .960	10/.831	10/.908	12/ .858	12/ .972	15/ .858
21'-0"	8/.692	8/.852	10/.801	10/ .858	10/.920	12/.833	12/ .951	15/ .852	15/ .938
22'-0"	8/.770	10/.752	10/.886	10/ .936	12/.832	12/.913	15/ .831	15/ .933	15/1.038
23'-0"	8/.839	10/.833	10/.962	12/ .848	12/.909	12/.991	15/ .899	15/1.018	
24'-0"	10/.744	10/.902	12/.873	12/ .931	12/.988	15/.872	15/ .989	15/1.121	
25'-0"	10/.813	12/.811	12/.938	12/1.010	15/.861	15/.939	15/1.068		

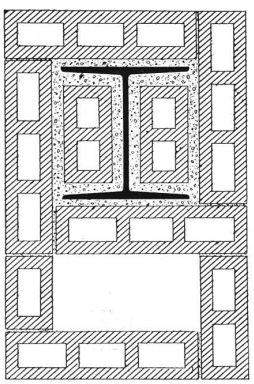
NOTE—15" Tile is made up of 3" x 12" x 12" on top of 12" x 12" x 12".

WEIGHT OF SLAB AND VOLUME OF CONCRETE PER SQUARE FOOT OF FLOOR OF VARIOUS THICKNESSES

SIZE OF TILE	3X12X12	4X12X12	5X12X12	6X12X12	8X12X12	10X12X12	12X12X12	15X12X12
WEIGHT OF SLAB PER SQ. FT. FLOOR	45 lbs.	50 lbs.	55 lbs.	60 lbs.	70 lbs.	80 lbs.	90 lbs.	105 lbs.
CU. FT. CONCRETE PER SQ. FT. FLOOR	0.229	0.250	0.271	0.292	0.333	0.375	0.417	0.479



Typical Column Covering



Fireproofing of Steel Column Showing Chase for Pipes and Conduits.

GIRDER FIREPROOFING AND COLUMN COVERING

The most efficient type of protection against fire in steel construction.

It is light in weight, being about one-third the weight of equivalent volume of concrete and is easily laid up in cement mortar. Can be obtained to fit any size steel.

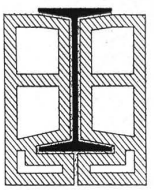
Method of Estimating Quantity of Girder Fireproofing.

Allow 2″ each side of flange and 2″ below bottom of flange. Multiply girth (in feet) of three sides rectangle formed of fireproofing below floor slab by the length of beam (in feet) = Number of square feet Girth Measure.

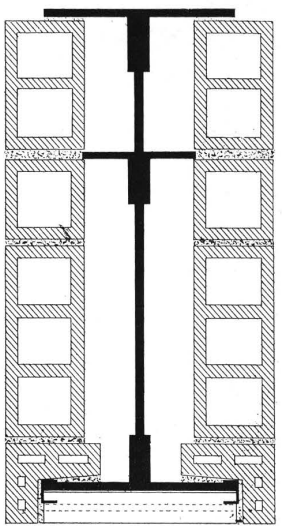
e.g.: Assume I-beam 12′ long with flange of 5″ and projection 10″ below floor slab:—

Girth = 12″ + 9″ + 12″ = 2¾′.

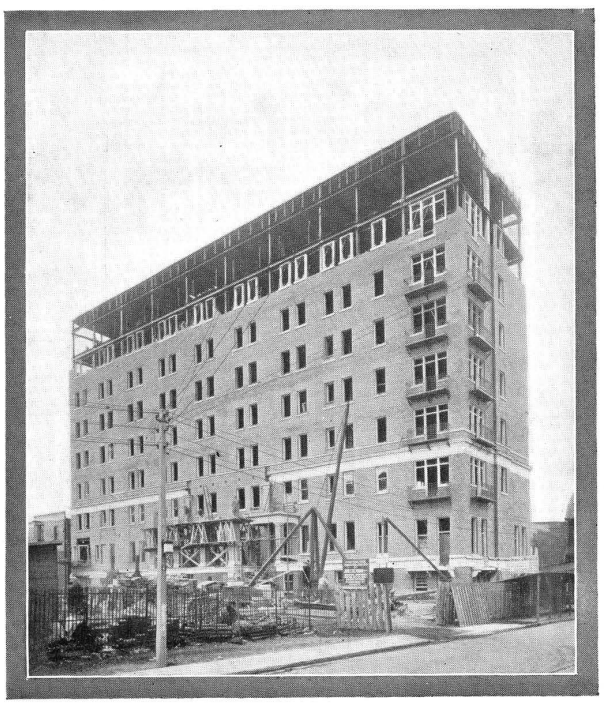
Area = 2¾′ x 12′ = 33 sq. ft. (Girth Measure).



Fireproofing for Small I-Beam



Typical Fireproofing of Plate Girder



NURSES' HOME
WESTERN HOSPITAL, TORONTO
Architect: E. J. LENNOX
Contractors: PAGE & CO., LTD.

Structural Steel Fireproofed by Don Valley Tile

Also Interior Partitions

BUILDING BY-LAW REQUIREMENTS

Most building codes permit the use of hollow tile, which conform to requirements as to compression and absorption, in masonry walls without demanding any increase in thickness of the wall due to employing hollow tile. In other words, little difference exists between solid brick and hollow tile construction, except at points where concentrated loads occur, where piers of brick, or concrete filled tile should be used, unless the building is constructed of steel or reinforced concrete frame.

ALLOWABLE LOADS ON TILE WALLS (depending on nature of Mortar used):—

Lime Mortar	4 tons per square foot	Gross Cross-Sectional Area
Lime and Cement	6 " " " "	
Cement Mortar	8 " " " "	

MAXIMUM HEIGHTS—HOLLOW TILE PARTITIONS (Non-Load Bearing):—

3″ x 12″ x 12″—10 feet 4″ x 12″ x 12″—12 feet
6″ x 12″ x 12″—16 feet

COVER STOCK SUPPLIED BY
THE DON VALLEY PAPER COMPANY, LIMITED
TORONTO

PRINTED BY
R. G. McLEAN, LIMITED, TORONTO

Toronto Brick Company

LIMITED

897 BAY STREET

TORONTO

What Cincrete Is

CINCRETE is a composition of Portland Cement and Washed Crushed Cinders compressed into building units of the most convenient shapes and sizes as illustrated herewith. The cinders are purified by a patented process which removes such impurities as sulphur, soluble salts, coke and iron. The Toronto Brick Company, Limited has the exclusive use of this process in Toronto thus ensuring for cincrete units a superiority over any substitutes.

These units are used in all types of construction for foundations, bearing walls, partitions and backing up. They have been granted official recognition as standard masonry in practically all the larger cities of America and in Toronto their use is permitted under Chapter IV of the existing building by-law.

Why Cincrete is Superior

LIGHT WEIGHT—The same weight as load bearing tile and much lighter than concrete blocks—thus easy to handle.

STRENGTH—Meets the requirements of the building by-law for a load bearing masonry material. The toughness of the material makes for handling without waste.

FIRE RESISTANCE—Both tests and actual fires have demonstrated cincrete as the equal of any masonry material as a fire resistant.

DURABILITY—Strength increases with age. Not effected by repeated freezing and thawing.

INSULATION—The cork like nature of the material makes it a non-conductor of heat and cold—keeps an even temperature—saves fuel.

DAMP PROOF—The insulative value prevents condensation and low capillary attraction eliminates the possibility of moisture being drawn through the wall.

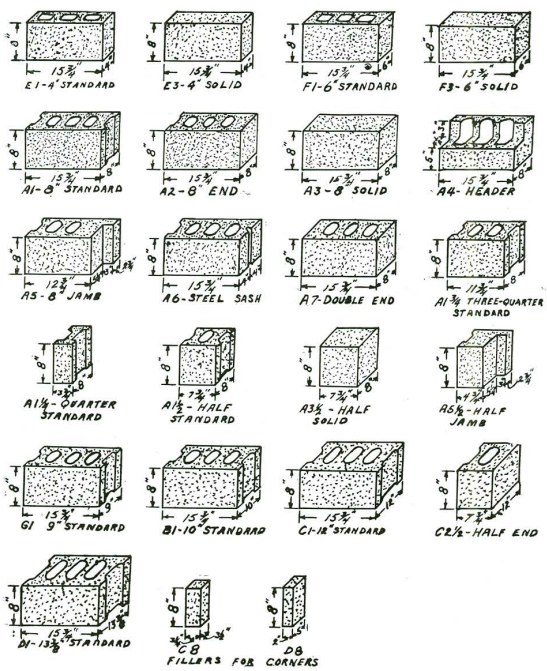
SOUND DEADENING—Absorbs vibration and consequently has valuable acoustic properties. Excellent for partitions.

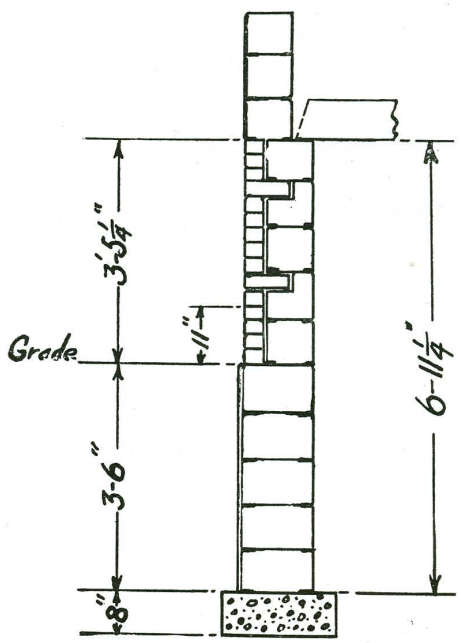
NAILING AND CUTTING—Can be nailed into and nails will grip and never rust. Can be cut and channelled without breakage or waste.

PLASTERING SURFACE—Eveness of wall, rough surface and even suction make perfect key for plaster or stucco. No staining or cracking.

ECONOMICAL—Note the reasons why.

Cincrete Units





14″ and 9″ Wall

Note header blocks to bond with face brick which may be commenced at grade line

Why Cincrete is Economical

LAYING—The light weight of cincrete building units makes a substantial saving in masonry labor possible.

MORTAR—The wide webs reduce the loss of mortar.

REDUCING DEAD LOAD—The lightness of the unit reduces the dead weight of the wall.

ELIMINATION OF LATH—In the heavier types of walls it is possible to plaster directly on cincrete thus saving the expense of furring and lathing.

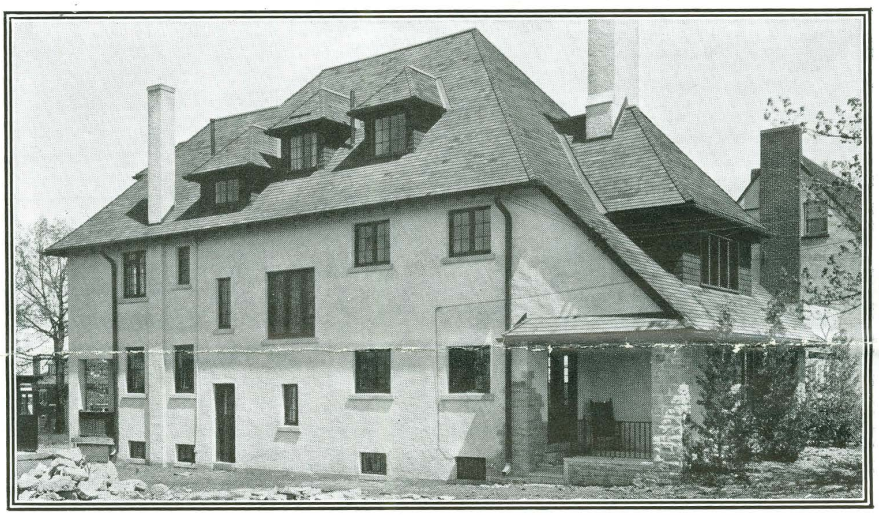
ECONOMY OF PLASTERING—The uniformity of units makes a true surface which requires a minimum amount of plaster, and a quick but limited suction and even absorption enables a plasterer to work quickly.

NO BREAKAGE—The toughness of the blocks means that they can be handled with practically no breakage and they cut when necessary without loss.

NAILING—No need for plugs or nailing strips—time and material saved.

APARTMENTS
400 Avenue Road
CRAIG & MADILL
Architects
A. R. HOLMES LTD.
Contractors
John Price Stock Brick backed with Cincrete and plastered direct.
Note the Architects letter below:

HOUSE
Forest Hill Village
SANDFORD F. SMITH
Architect
DOUGLAS G. JOY
Contractor
Stucco on Cincrete
Note the Architects letter below:



(Letterhead Craig & Madill)

June 13th, 1927.

Toronto Brick Company,
897 Bay Street,
Toronto, Ont.

Re-Cincrete Blocks

Dear Sirs:

Replying to your inquiry with reference to 'Cincrete Blocks' as used in the 40 suite apartment building at 400 Avenue Road, we are pleased to advise you that in this building, this type of construction has proved very satisfactory. We were permitted by the City Architect's Department to plaster direct on the 'Cincrete Blocks' and the building which has now been completed and occupied for a winter has required less fuel proportionately, than a similiar building built under our supervision, where masonry walls were of brick and tile, and were strapped, lathed and plastered. The plaster, where applied direct to 'Cincrete Blocks', has shown no trace of moisture nor discolouration.

We are glad of this opportunity of recommending the "Cincrete Block" type of construction for wall backing purposes and interior partitions, to those who desire an economical and efficient type of wall construction.

Yours very truly,
CRAIG & MADILL.

JHC/Q

(Letterhead Sandford F. Smith)

Jan. 3rd, 1928.

Toronto Brick Co. Ltd.
897 Bay Street,
Toronto

Dear Sirs:

We have just completed a residence in Forest Hill Village, Toronto, where we used your Cincrete Blocks. We found them satisfactory in every respect.

The cellular structure of the block makes it valuable as an insulating material and more easily heated.

Cincrete is a splendid key for stucco, easy to cut and lay and I do not know of any material better suited for that type of work.

Yours truly,
SANDFORD F. SMITH,
Architect.

SFS/C

THE DON VALLEY BRICK WORKS, LIMITED

114 FEDERAL BUILDING, TORONTO, ONT.

"FACE BRICKS A SPECIALTY"

DON VALLEY "ORIENTAL"—THE BRICK WITH THE VELVET TEXTURE

FLASHED RED "ORIENTAL"—SHADES 251 AND 252

"RED ORIENTAL"
(Tapestry Effect)

RED SHADES IN STOCK:

Clear Red, No. 250
Flashed Red, No. 251
Valdon Red, No. 252

NOTE:
It is advisable to order two or more shades in any type of brick selected, in order to allow for natural variations in shades due to differences in temperature when burning bricks in process of manufacture.

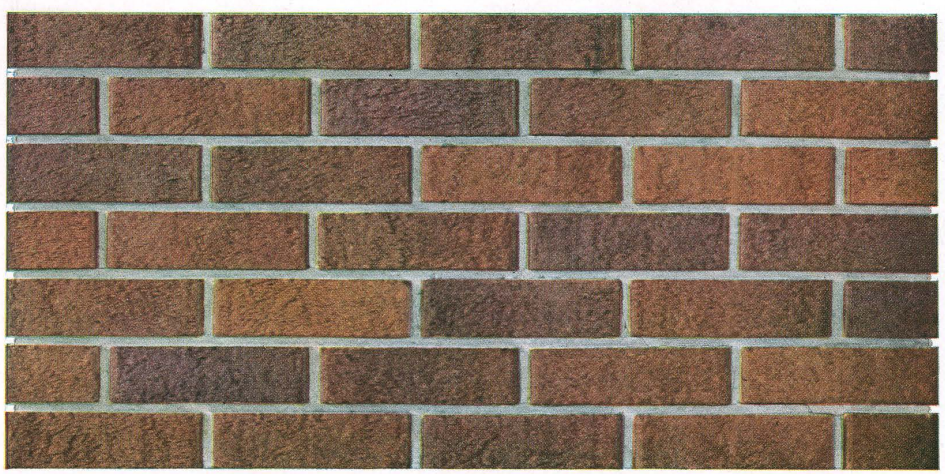
"BUFF ORIENTAL"
(Tapestry Effect)

IN STOCK:

Light Buff, No. 260
Medium Buff, No. 261
Dark Buff, No. 262
Dark Green Buff, No. 263

See next page for
Light Buff, No. 260

GREEN-BUFF "ORIENTAL"—Nos. 261, 262 AND 263
MINGLING OF MEDIUM AND DARK GREEN SHADES



BROWN "ORIENTAL"
MINGLING OF MEDIUM AND DARK BROWN SHADES

"BROWN ORIENTAL"
(Tapestry Effect)

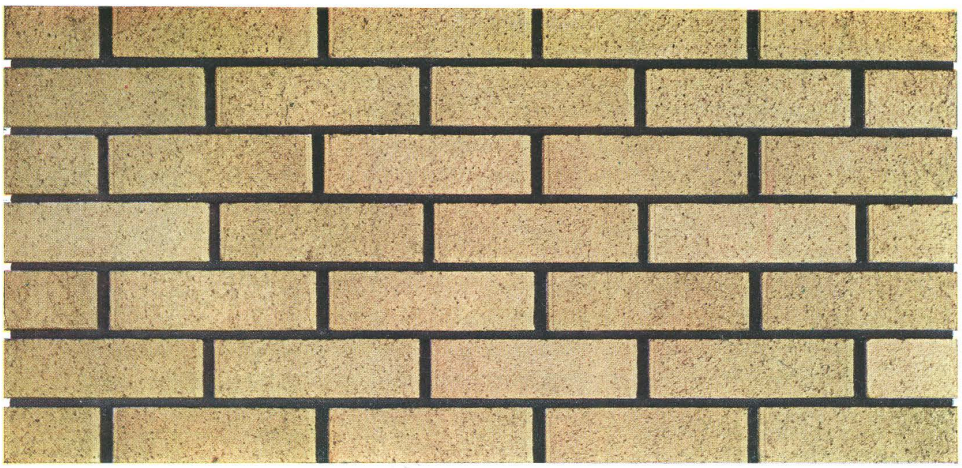
Light Brown, No. 256
Medium Brown, No. 257
Dark Brown, No. 258

"ORIENTAL" BRICKS have a soft textured appearance, like velvet, and are considered to be far superior to the harsher textured Rug Bricks with vertical scratch.

THE DON VALLEY BRICK WORKS, LIMITED

TORONTO

WRITE FOR OUR CATALOGUES OF ENAMELLED BRICKS AND HOLLOW BUILDING TILE



LIGHT BUFF ORIENTAL—SHADE 260

"BUFF ORIENTAL"
(Light Shade, No. 260)

Especially suitable
for Office Buildings,
Schools, Hospitals, Etc.,
where a Bright and Clean-
cut effect is desired

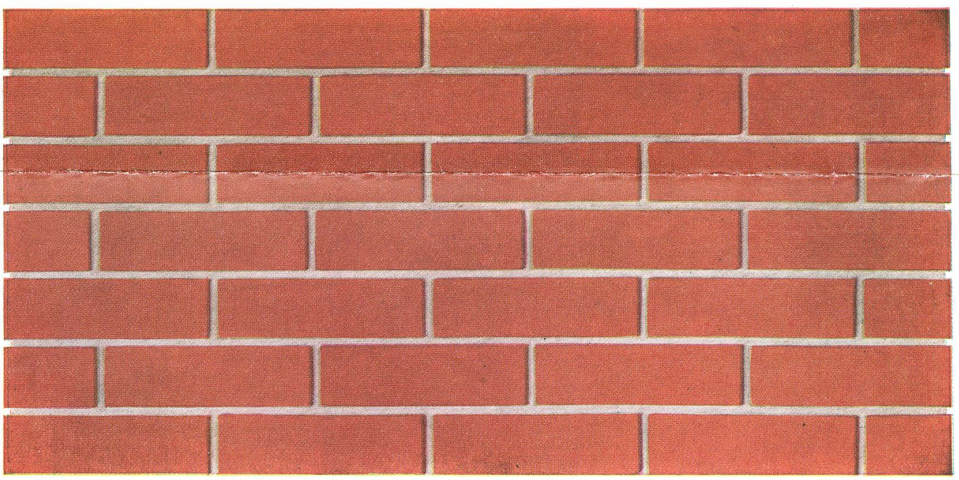
"RED PRESSED"

A hard-burned red shale
brick of very endurable
qualities

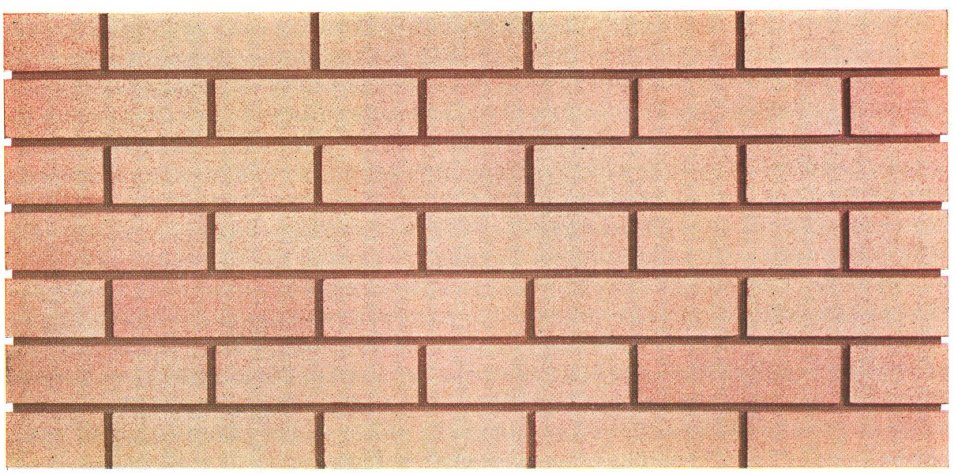
STOCKED IN:

Light Red, No. 240
Medium Red, No. 241
Dark Red Flashed, No. 242

Nothing Surpasses
DON VALLEY PRESSED
BRICKS for Beautiful and
Dignified Appearance, as
well as Durability



RED PRESSED—No. 241



MEDIUM PINK BUFF—No. 212

"BUFF PRESSED"

STOCKED IN FOUR SHADES:

Light, No. 211
Medium Pink, No. 212
Medium Green, No. 213
Dark Pink Buff, No. 214

"DON VALLEY
PRESSED BRICKS
ARE NATIONALLY FAMOUS"

THE DON VALLEY BRICK WORKS, LIMITED

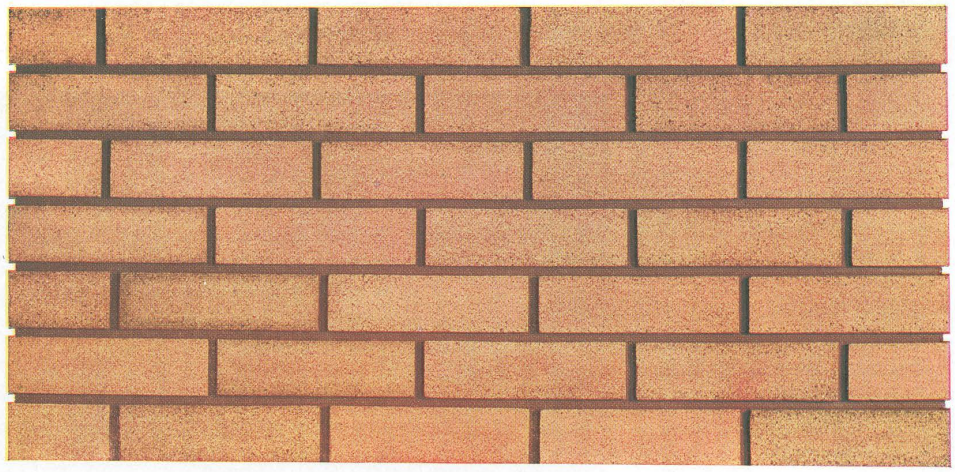
TORONTO

MANUFACTURERS OF FACE AND COMMON BRICKS, ENAMELLED BRICKS AND HOLLOW BUILDING TILE

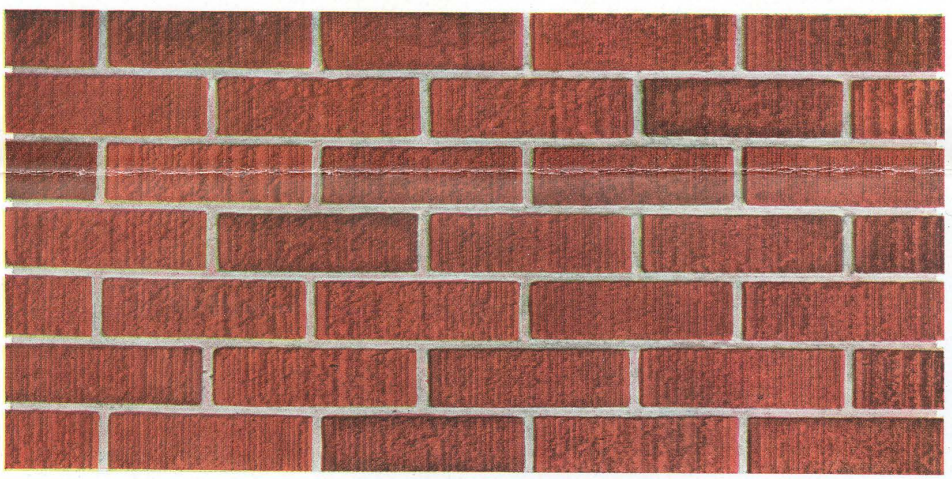
"BUFF MANTEL"
No. 210

An Unusually Attractive Brick used largely for Mantels, but suitable for Facing of Residences as well as larger Buildings.

A very Hard, Durable Brick



DARK BUFF MANTEL—SHADE 210



RED RUG—FULL RANGE

"RED RUG"
(Vertical Scratch)

STOCKED IN THREE SHADES:

Clear Red, No. 280
Light Flashed, No. 281
Dark Flashed, No. 282

Specify Numbers of Shades when Ordering

"BUFF RUG"
(Vertical Scratch)

STOCKED IN THREE SHADES:

Light Buff, No. 270
Medium Buff, No. 271
Dark Buff (Green), No. 272

NOTE:

There is always a slight range in any type of brick, due to variations of temperature in process of burning. It is therefore advisable to select two or more shades when ordering.

BUFF RUG—FULL RANGE

THE DON VALLEY BRICK WORKS, LIMITED

114 FEDERAL BUILDING, TORONTO

SEE OUR DISPLAY, AT OUR HEAD OFFICE, OF HIGH-CLASS FACE BRICKS.
OUR FOLDERS RE ENAMELLED BRICKS, HOLLOW BUILDING TILE, ETC., ARE AVAILABLE ON REQUEST

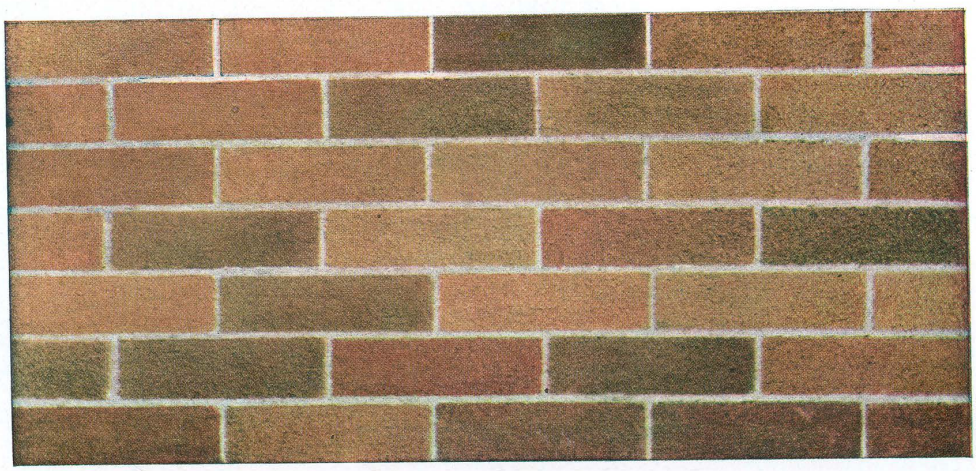
"FACE BRICKS A SPECIALTY"

"EATONIA"

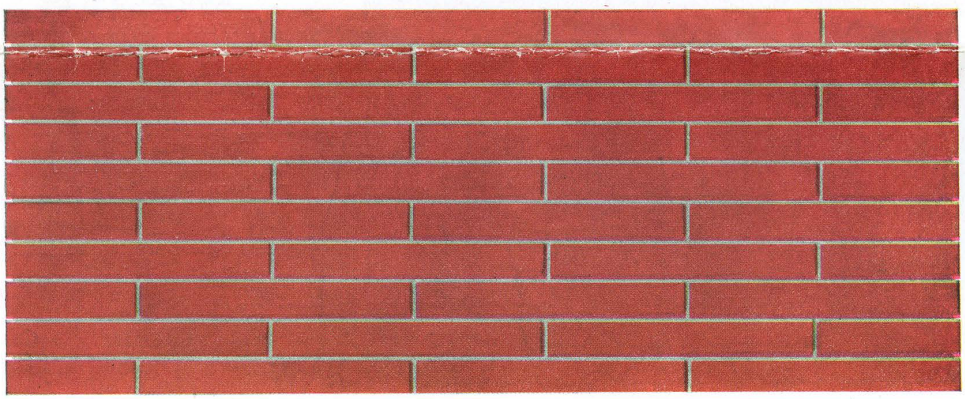
A Pressed Brick with a Fine Texture

STOCKED IN FOUR SHADES:
Light, No. 200
Medium, No. 201
Reddish Brown, No. 202
Dark, No. 203

"AMERICA'S MOST BEAUTIFUL BRICK"



"EATONIA"
PRESSED BRICKS WITH A FINE TEXTURE



ROMAN RED (PRESSED)—SHADE 232 (DARK)

"ROMAN RED"
Pressed Bricks
1½" x 4⅛" x 12"

STOCKED IN TWO SHADES:
Light Red, No. 231
Dark Red, No. 232

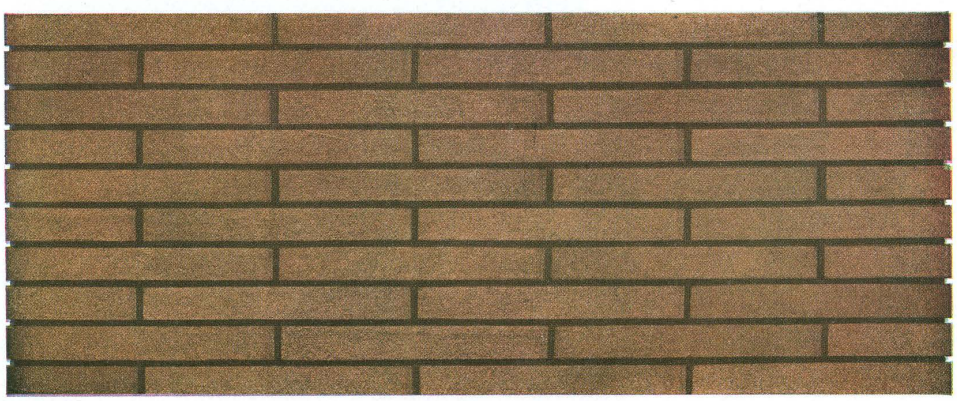
Especially Suitable for Mantels, and Facing of Buildings where Originality is Desirable

"ROMAN EATONIA"
1½" x 4⅛" x 12"

Especially Suitable for Mantels

STOCKED IN THREE SHADES:
Light, No. 220
Medium, No. 221
Dark, No. 223

"BUFF ROMAN PRESSED"
(Smooth)
Also available from Stock



ROMAN EATONIA—SHADE 223 (DARK)