

SCHEDULE "D"
BUILDING SAFETY AND PROPERTY STANDARDS BY-LAW NO. 6060/09/93

PART A: ACCEPTABLE DOORS

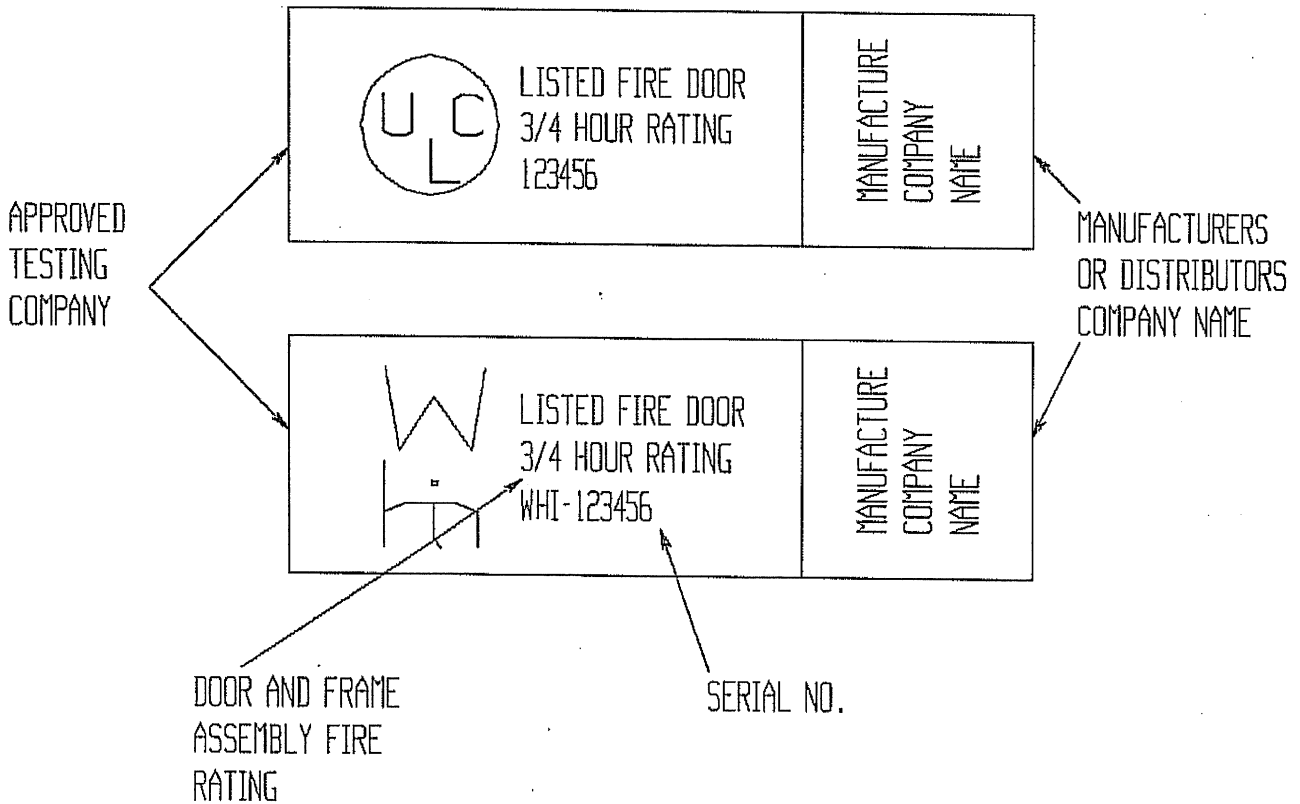
DOOR TYPE D1

"A Door and Frame Having a 3/4 Hour Fire Protection Rating"

EXPLANATION:

A D1 door and frame are purchased and installed as an "assembly". The door and frame must have a ULC or other acceptable label affixed to them showing a minimum 3/4 hour rating.

If the door and frame are to be painted, care should be exercised so that the labels are not covered with paint.



SCHEDULE "D" (cont'd)

PART A

DOOR TYPE D3

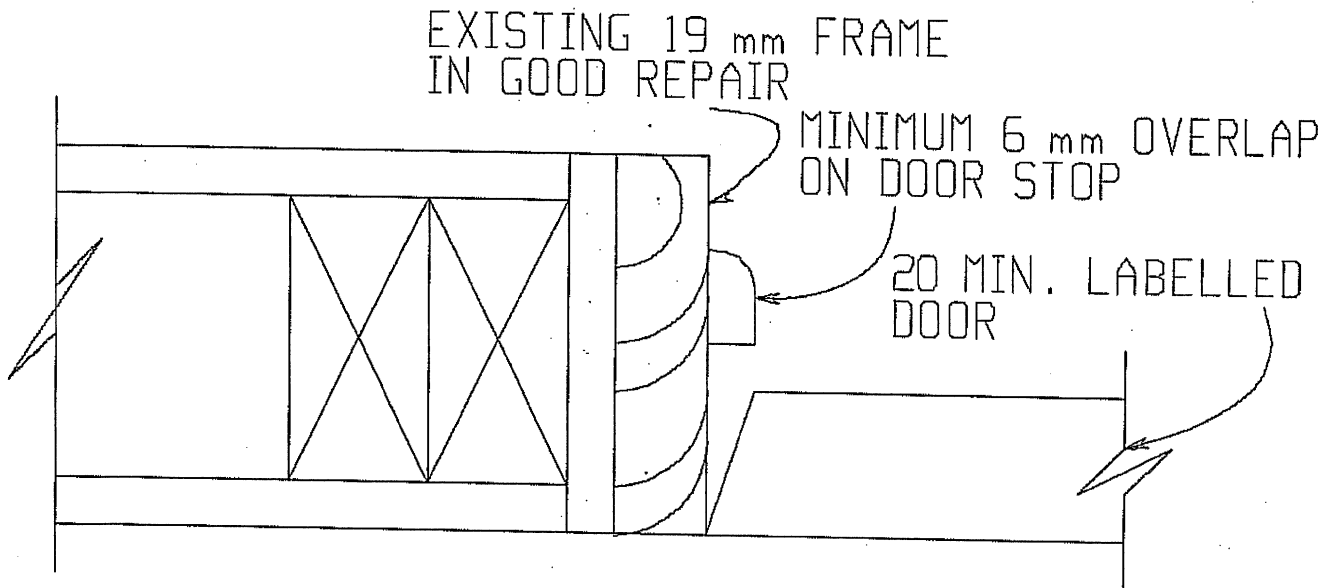
"A Door Having a 20 Minute Fire Protection Rating in an Existing Wood Frame"

EXPLANATION:

A D3 door requires a label showing a 20 minute fire protection rating. This door will be allowed to be installed in an existing door frame provided:

- (a) the frame is in good condition (ie. free from splits, cracks, checks, etc.);
- (b) door stops shall overlap the top and sides of the door;
- (c) the door hangs plumb and meets by a minimum 6 mm required clearances; and
- (d) the frame is constructed of minimum 19 mm lumber.

If the frame requires replacement, it shall be a 50 mm nominal wood frame.



- Note:
- 1. Wire glass is permitted provided it is installed by the manufacture.
 - 2. Labelled doors cannot be cut down to size.

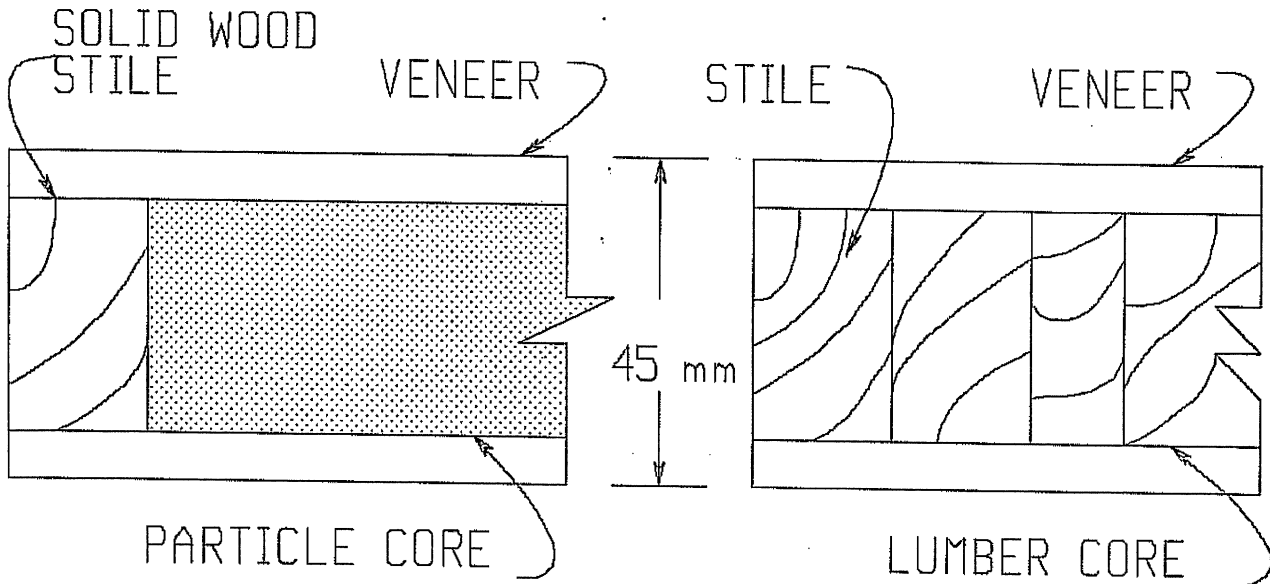
SCHEDULE "D" (cont'd)

PART A

DOOR TYPE D4
"An Existing 45 mm Solid Core Wood Door"

EXPLANATION:

Solid core doors are usually constructed with a particle core or a lumber core (either is acceptable). The door must be in good condition, free from excessive warpage, cracks, splits, etc.



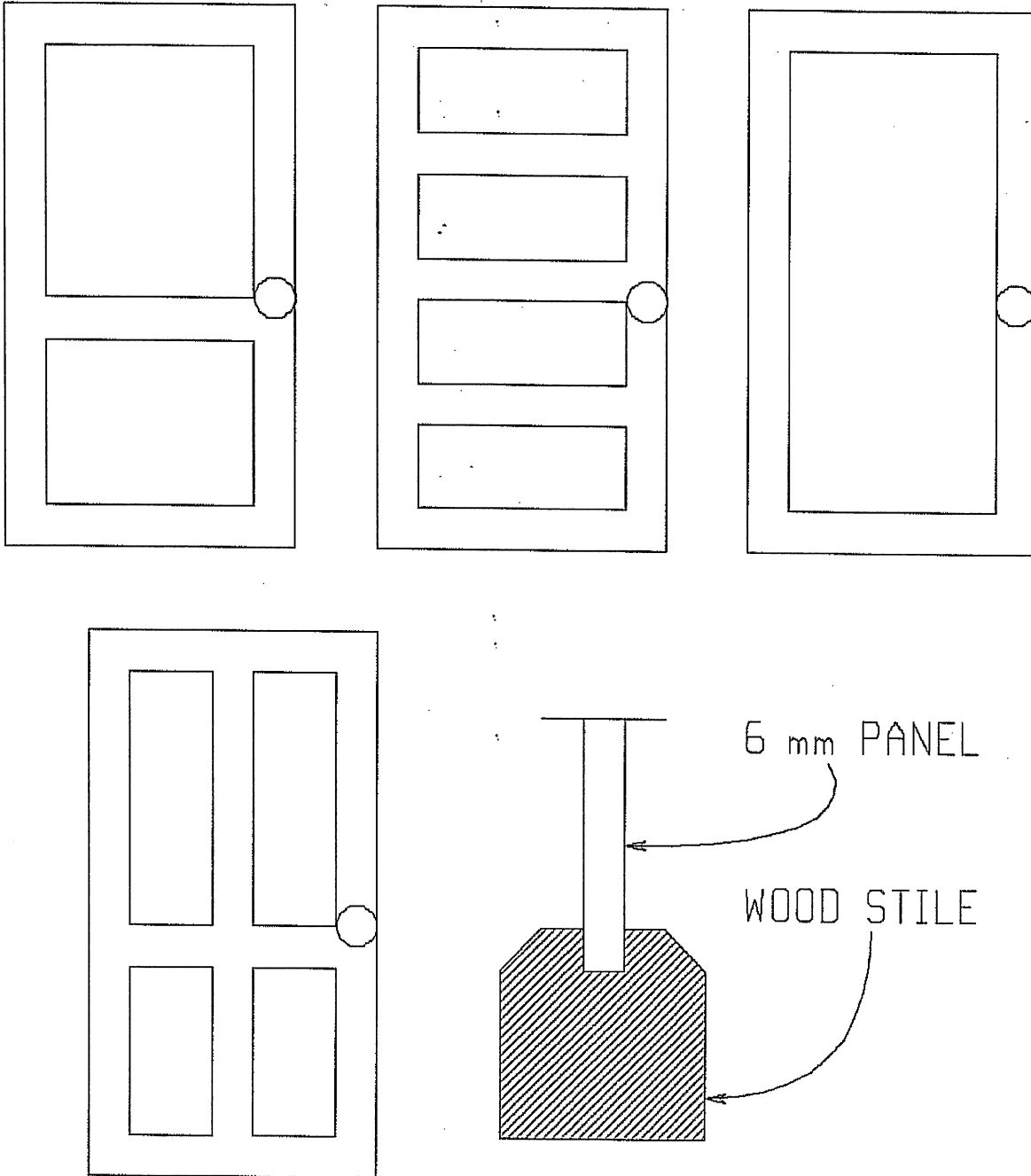
SCHEDULE "D" (cont'd)

PART A

DOOR TYPE D5
"An Existing Wood Panel Door"

EXPLANATION:

Wood panel doors are constructed of 45 mm or 34 mm wood stiles and rails with various number and sizes of 6 mm panels inserted in the doors. A few examples are shown below:



SCHEDULE "D" (cont'd)

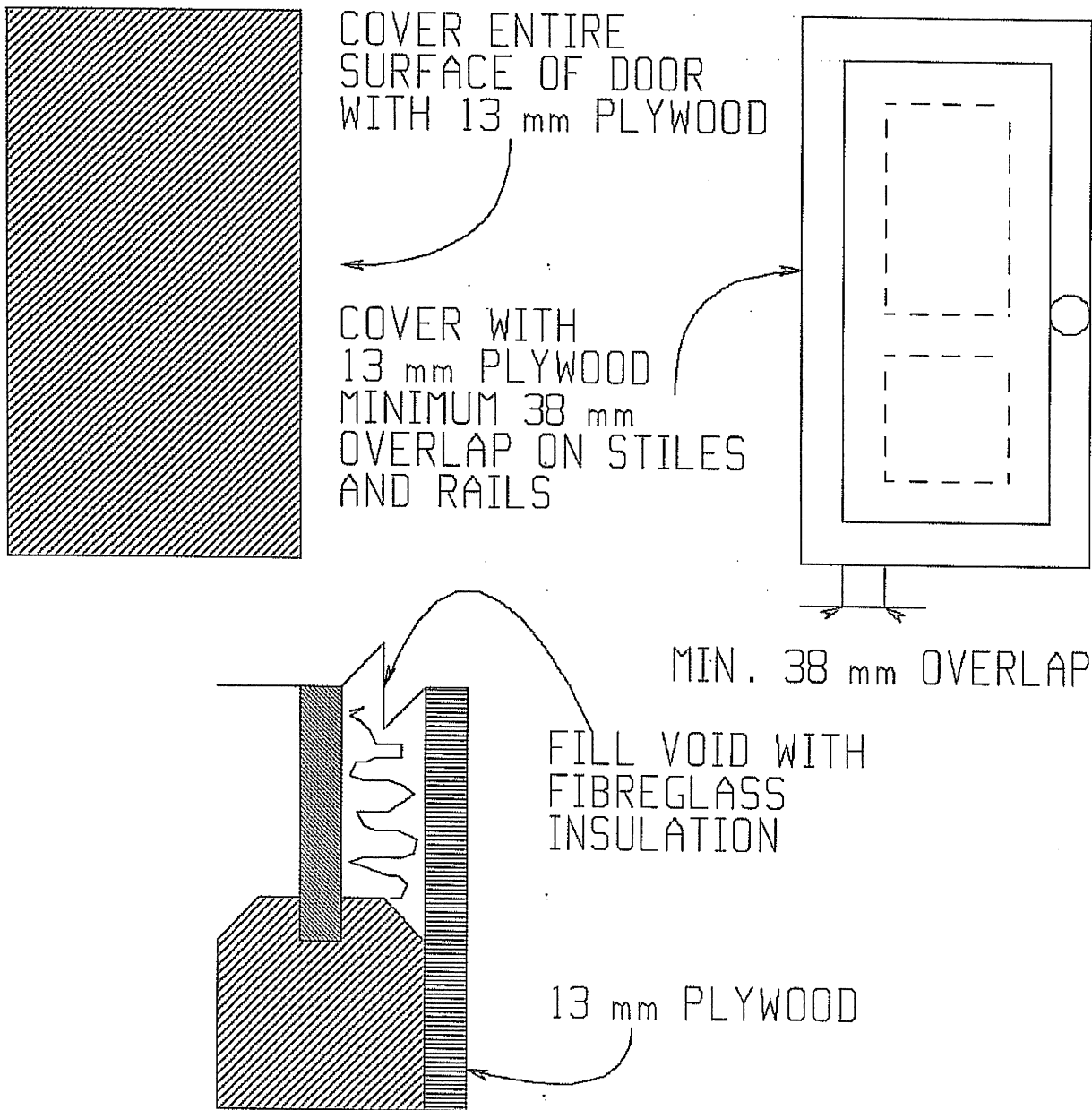
PART A

DOOR TYPE D6

"An Existing Wood Panel Door Built Up In An Acceptable Manner"

EXPLANATION:

Wood panel doors as described in D5 previously are permitted to be 'built up'. They may be covered on the suite side with 13 mm plywood.



Note: Plywood must be fastened securely with nails or screws in accordance with acceptable construction practices.

SCHEDULE "D" (cont'd)

PART A

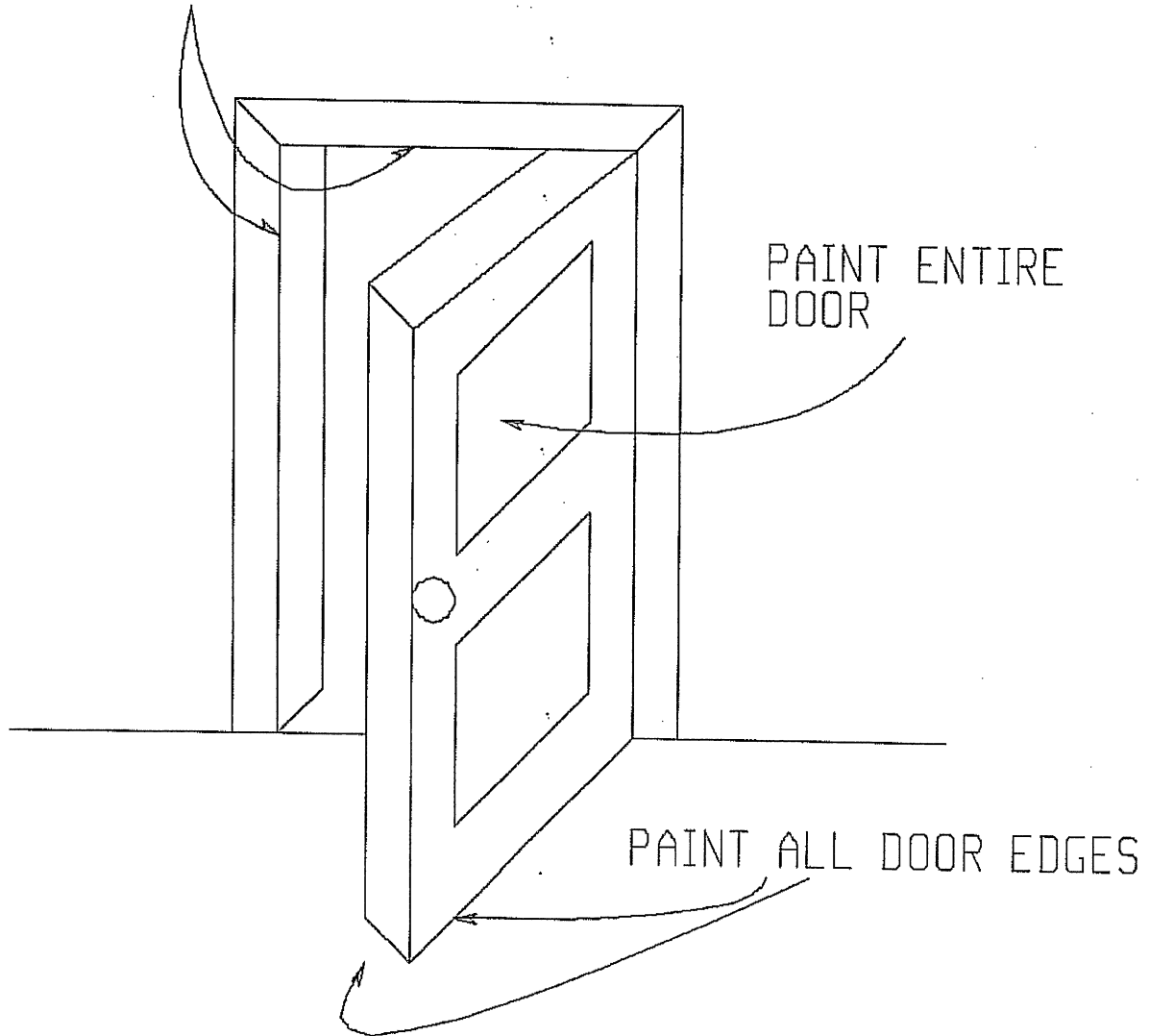
DOOR TYPE D7

*"An Existing Wood Panel Door and Frame
Painted in an Acceptable Manner with an Acceptable Intumescent Paint"*

EXPLANATION:

In some cases, wood panel doors in existing frames will be permitted provided the entire door including all edges and the entire frame are painted with an acceptable ULC Listed Intumescent Paint. The paint shall be applied as per manufacturers instructions and verification submitted.

PAINT ENTIRE
FRAME



SCHEDULE "D" (cont'd)

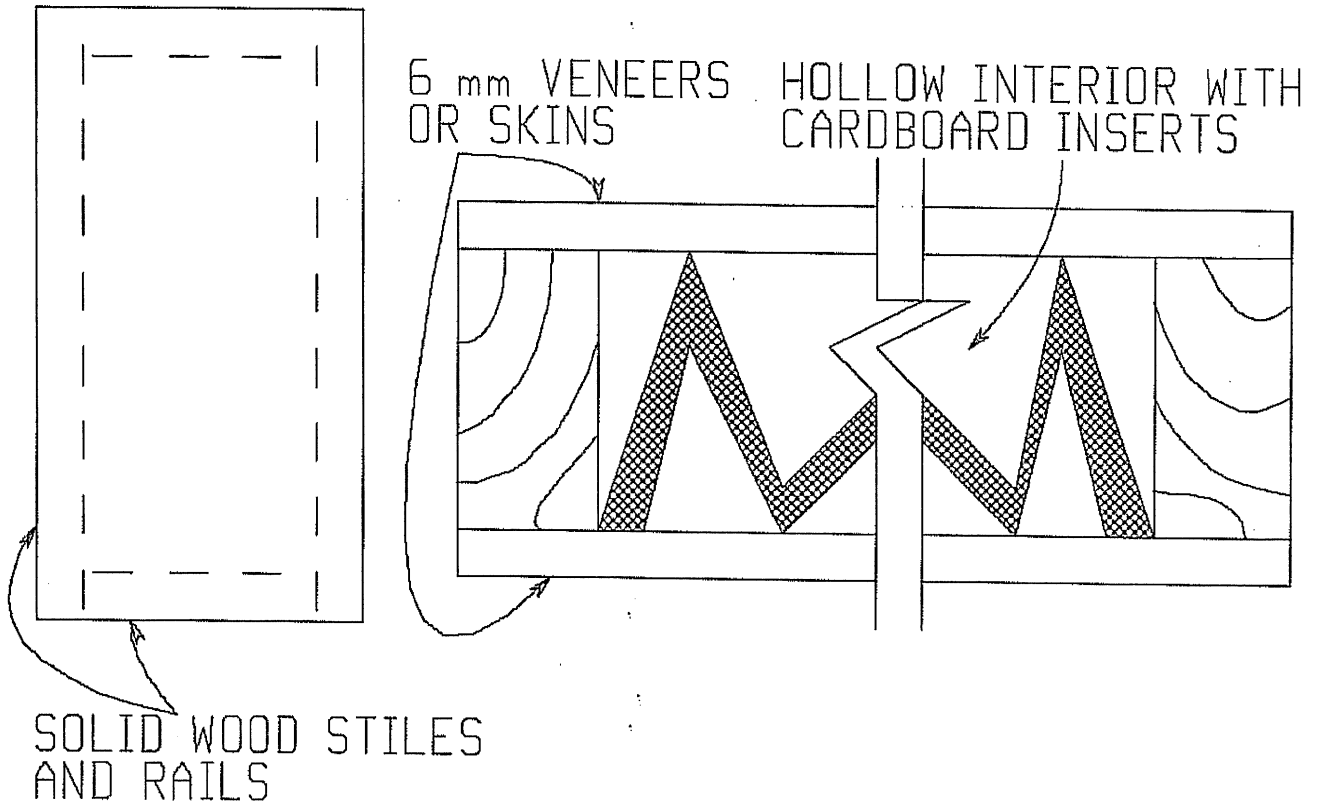
PART A

DOOR TYPE D8

"An Existing Hollow Core Wood Door With Minimum 6 mm Veneers"

EXPLANATION:

A hollow core wood door is constructed of solid wood stiles and rails with plywood veneers or "skins". The interior of the door is hollow or has cardboard inserts.



Note: When a D8 door is being used, the "skins" or veneers must be no less than 6 mm.

SCHEDULE "D" (cont'd)

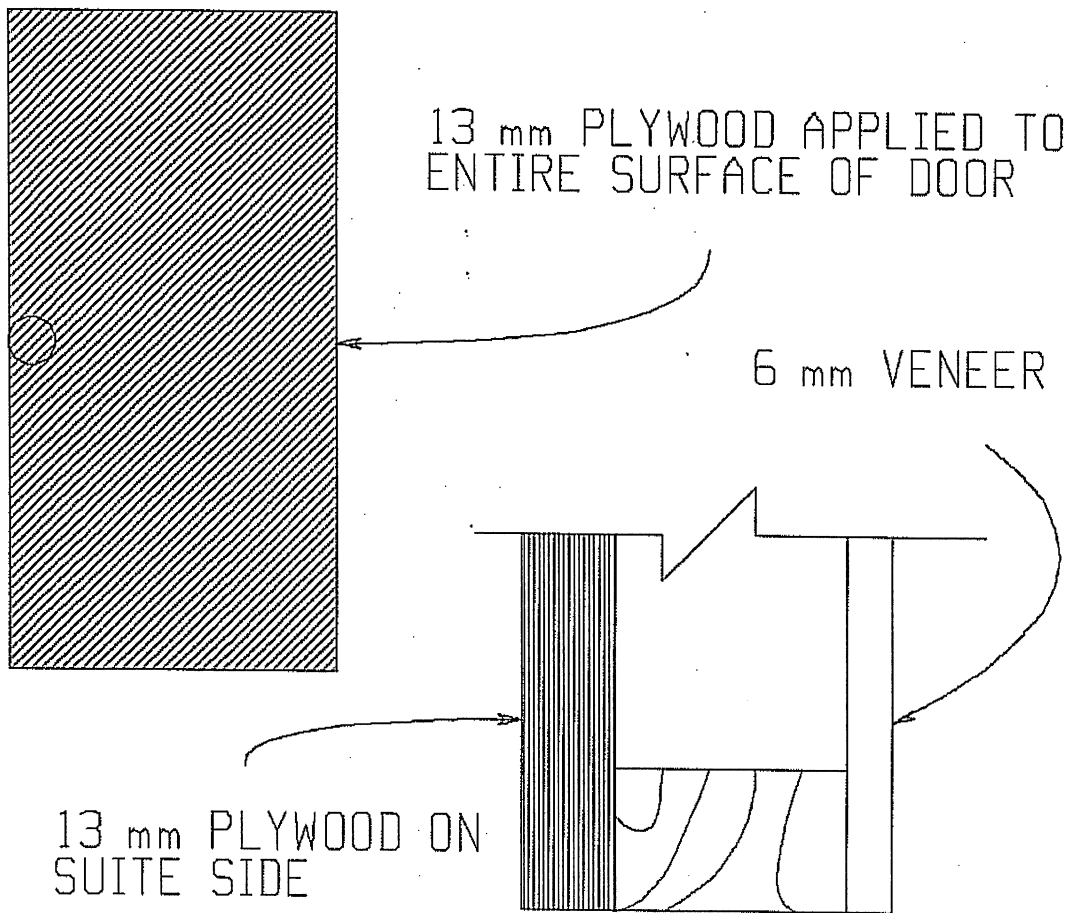
PART A

DOOR TYPE D9

*"An Existing Hollow Core Wood Door
With Minimum 4.76 mm Veneers, Built Up in an Acceptable Manner"*

EXPLANATION:

Hollow core doors with 4.76 mm veneers will be permitted to be built up by covering the entire suite side surface of the door with 13 mm plywood. This material must be securely fastened around the perimeter with nails or screws in accordance with good construction practices.



SCHEDULE "D" (cont'd)

PART A

DOOR TYPE D10

"An Existing Hollow Core Wood Door with Minimum 4/76 mm Veneers, and Frame, Painted in an Acceptable Manner With an Acceptable Intumescent Paint"

EXPLANATION:

A hollow core wood door will be permitted provided the entire door including all edges and the entire frame are painted with a ULC listed intumescent paint. The paint shall be applied as per the manufacturers instructions.

SCHEDULE "D" (cont'd)

PART B

PART B: ACCEPTABLE WINDOWS FOR ACCESS TO EXIT

Windows Serving A Single Suite

Where a window is utilized as an "Access to Exit" for a single suite, it shall comply with the following:

- (a) the window shall be readily openable from the interior without the use of tools;
- (b) the window shall have an unobstructed clear opening of not less than 900 mm high X 600 mm wide; and
- (c) the window shall have a permanently affixed label which states "Emergency Exit", or other approved wording (see below).

Note:

That the sill of the window being used as an "Emergency Exit" must not be more than 900 mm from the finished floor and if the window exceeds this dimension acceptable steps shall be provided to within 300 mm of the window sill.

Exception:

Windows in suites being utilized as an "access to exit" for buildings that are also in a fire separation (required to have wired glass) shall swing on its vertical axis.

Acceptable "Emergency Exit" Sign:

RED LETTERS ON A WHITE BACKGROUND

EMERGENCY EXIT

minimum 17 mm

NOTE:

- i) The sign may be fabricated of either paper or plastic;
- ii) It must be permanently affixed to the wall or frame of the designated window near the sill in an acceptable manner; and
- iii) the sign must not be painted over.

SCHEDULE "D" (cont'd)

PART B

Window Serving More Than One Suite

Where a window is utilized as an "Access to Exit" for more than one suite on a floor level, it shall comply with the following:

- (a) the window shall be readily openable from the interior without the use of tools;
- (b) the window shall be hinged to swing on its vertical axis and have no obstructions such as storms, screens, or security bars to impede its swing;
- (c) the window shall have an unobstructed opening of not less than 550 mm wide by 1016 mm high; and
- (d) the window shall have a permanently affixed label which states "Emergency Exit" or other approved wording (see the example given previously for 'Windows Serving a Single Suite').

Note:

The sill height of the window serving as "access to exit" must not be more than 1016 mm from the finished floor and if the window exceeds this dimension, a new window will be required to be installed as per the Code.

SCHEDULE "D" (cont'd)

PART C

PART C: WINDOWS IN FIRE SEPARATIONS

In required fire separations, all plain glass shall be replaced with construction having a minimum 3/4 hour fire resistance rating where the window is not necessary, or alternatively, where the window is required for light, the plain glass shall be replaced with acceptable wire glass as follows:

- (a) wired glass shall be at least 6 mm thick; and
- (b) the glass and stops shall be installed as per the Code, with the following exceptions:
 - i) where existing window frames are of wood construction, wood stops may be utilized, and
 - ii) where existing window frames are of aluminum construction, aluminum stops may be utilized.

Note:

Where there is an existing window between two exits (eg. between an interior public stairway and an exterior fire escape), the unprotected opening (window) shall be closed off with construction providing a minimum 1/2 hour fire resistance rating or alternatively where the window is required for light, double 6 mm wired glazing shall be utilized.

SCHEDULE "D" (cont'd)

PART D

PART D: ACCEPTABLE BALCONIES

Where balconies are required by this by-law, they shall be constructed in accordance with the Code. In addition, the balcony shall:

- (a) be a minimum 550 mm wide;
- (b) extend from and include the openable part of the window being utilized as the access to the balcony, to a point not less than 600 mm beyond one side of the window; and
- (c) the railing shall meet the requirements as laid out for fire escapes in the Code.

