

Council,
June 18, 1969

Modification of Lot Frontage, Side Yard - 26 Sussex Street,
Spryfield.

MOVED by Alderman Ivany, seconded by Alderman Meagher that, as recommended by the Town Planning Board, approval be given to:

1. Modification of lot frontage on Lots A1 and A2 to reduce the required 60 feet minimum to 47 feet and 53 feet respectively, and
2. Modification of the left side yard of the existing dwelling located on Lot A2 to reduce the required 8 feet to 2 feet

at 26 Sussex Street, Spryfield. Motion passed.

Extension to Non-Conforming Building and Modification of Front
Yard, Lot Frontage and Lot Area Requirements - 72 Adelaide Ave.

MOVED by Alderman Ivany, seconded by Alderman Hogan that, as recommended by the Town Planning Board, approval be given to (1) Extension to a non-conforming building, (2) Modification of side yard requirements, (3) Modification of lot frontage requirements, and (4) Modification of lot area requirements, to permit construction of a 12-foot by 25-foot, one-storey addition to the rear of an existing single family dwelling at No. 72 Adelaide Avenue. Motion passed.

Alteration - Subdivision - McManus Road, Jollimore, John F. Fry

MOVED by Alderman McGuire, seconded by Alderman Sullivan that, as recommended by the Town Planning Board, approval be granted to combine Lots 8 and 9 to form Lot "A", lands of John F. Fry, MacManus Road, Jollimore, as shown on Plan No. P200/2902 of Case No. 1808, and that a Public Hearing in the matter be waived. Motion passed.

Alteration - Subdivision - Parkhill Road, Jollimore - Stephen
Innis, Jr. & Anne Innis

MOVED by Alderman Ivany, seconded by Alderman Connolly that, as recommended by the Town Planning

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Board, approval be given to the request to add Lot "A-1" to Lot "A" to form Lot "A-2", lands of Stephen Innis Jr. and Anne Innis, Parkhill Road, Jollimore, as shown on Plan No. P200/2901 of Case No. 1807, and that a Public Hearing in the matter be waived. Motion passed.

Alteration - Subdivision - Thornhill - Ardwell Avenue

MOVED by Alderman McGuire, seconded by Alderman Meagher that, as recommended by the Town Planning Board, approval be given to the request for alteration of Thornhill Subdivision, Spryfield as indicated on Plan No. P200/5886, to correct:

1. The alignment of Ardwell Avenue, and
2. The alignment of lot lines of Lots 407, 409, 411, 413, 415, 417, 419, 427, 414, 416, 418, 420, 422, 424, and 426

and that a Public Hearing in the matter be waived. Motion passed.

Alteration - Subdivision - Layton Road & Penny Avenue

MOVED by Alderman Sullivan, seconded by Alderman Allen that, as recommended by the Town Planning Board, preliminary approval be granted to resubdivide Lots 110, 111, 112, and 121, Layton Road and Penny Avenue, to form Lots "A" and "B" as shown on Plan No. P200/2983 and that a Public Hearing be waived. Motion passed.

Call for Proposals - Barrington Street Housing

MOVED by Alderman Ivany, seconded by Alderman Allen that, as recommended by the Town Planning Board, staff proceed with the preparation of a Call for Proposals, to be ready within sixty days. Motion passed.

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Possible Purchase, Larger Units of Existing Houses for Public Housing

MOVED by Alderman Allen, seconded by Alderman Meagher that, as recommended by the Town Planning Board, staff report to Council on the possibility of purchasing some larger units of existing houses which could be added to the public housing stock of the City. Motion passed.

Possible Town Housing Project - Undeveloped Land

MOVED by Alderman Allen, seconded by Alderman Sullivan that, as recommended by the Town Planning Board, staff investigate and report on the possibility of a project for public housing of the town-housing type, to be built on presently undeveloped lands. Motion passed.

Application - Construction 48-Unit Apartment Building - Off Alton Drive, Armdale - Donald Keddy

MOVED by Alderman Meagher, seconded by Alderman McGuire that, as recommended by the Town Planning Board approval in principle be given to the application to construct a 48-unit apartment building on Lot "A-1", located off Kelly Street and Alton Drive, as shown on Plan No. P200/2864. Motion passed.

Urban Renewal Plan - Kline Heights

MOVED by Alderman Allen, seconded by Alderman LeBlanc that, as recommended by the Town Planning Board:

1. the Urban Renewal Plan for Kline Heights be approved in principle;
2. the consultants be urged to complete the study as soon as possible;
3. the City Staff apply to Central Mortgage and Housing Corporation and negotiate with the Federal Minister for Housing for financing assistance, and
4. City Staff and Project Planning Associates determine whether the design work for sewers, water, and roads

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can be commenced prior to completion of the remainder of the study.

Motion passed.

Accounts Over \$5,000.00

MOVED by Alderman Abbott, seconded by Alderman Hogan, that the City Manager be authorized to pay the following accounts:

<u>DEPARTMENT</u>	<u>VENDOR</u>	<u>PURPOSE</u>	<u>AMOUNT</u>
Finance	C.A.Fowler, Bauld & Mitchell	Architectural fees Spryfield High School and Clayton Park Junior High	\$15,944.41
	Fraser Construc- tion Co. Ltd.	Water and sewer installation, Fair- view Certificate #6-Final	\$12,362.38
	Can.Brit.Engineer- ing Consultants Ltd.	Design Services - Inverness Ave.Sewer	447.08
			<u>\$28,753.87</u>

which amounts are related to capital expenditures in the annexed area of the City and are not yet covered by Capital Borrowing Resolutions approved by the Minister of Municipal affairs. Motion passed.

Lord's Day Permits

The following applications to operate businesses on The Lord's Day were submitted:

Mrs. Jean Henderson	3461 Dutch Village Road	-	Food Shop
Mrs. Lillian Walsh	1240 Edward Street	-	Grocery Store
Mrs. Theresa LeBlanc	2093 Brunswick Street	-	Grocery Store
Albert Lawrence Coady	5653 Victoria Road	-	Grocery Store
Steve Karteroulis	2299 Barrington Street	-	Grocery Store

MOVED by Alderman Abbott, seconded by Alderman Hogan, that the applications to operate businesses

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on the Lord's Day, as submitted, be approved. Motion passed.

Appointment - Revising Officer

The following report was submitted by the
City Manager:

"On July 30 as a result of the forthcoming civic election for the purpose of filling the seat left vacant by the death of Alderman J.E. Ahern, it is necessary to up-date the voting list for Ward 3. The Court of Revision will be sitting in the Council Chamber from June 23 to June 27, inclusive, and it is also necessary that the appointment of a Revising Officer be made at the June 18 Council session.

"It is therefore recommended that the City Solicitor be appointed as Revising Officer for the period noted above."

MOVED by Alderman Ivany, seconded by Alderman Meagher, that the City Solicitor be appointed as Revising Officer at the Court of Revision which will be sitting from June 23 to June 27, inclusive, to up-date the voting list for Ward 3. Motion passed.

Compensation for Expropriate Property - Conn & Martell Limited

The following report was submitted by Staff:

"The matter of compensation payable to Conn & Martell Limited for their property on Argyle Street which was expropriated by the City was heard at the Supreme Court.

"The Court awarded the expropriated owner the sum of \$170,952.72 as compensation with interest at 5% to date of payment. The expropriation resolution authorized the payment of \$160,000.00 as compensation for this property, and on July 31, 1967 the City paid Conn & Martell Limited 75% of the compensation, or \$120,000.00.

"It is therefore recommended that Council approve of the payment of the compensation awarded Conn & Martell Limited by the Supreme Court - namely \$170,952.72, plus interest at 5% from May 31, 1967 to date of payment. For your further information the interest will only be payable on the sum of \$50,952.72 from August 1, 1967, but on the \$170,952.72 from May 31 to August 31, 1967."

MOVED by Alderman LeBlanc, seconded by Alderman Abbott, that Council approve of the payment of the compensation awarded Conn & Martell Limited by the Supreme

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Court, namely \$170,952.72 plus interest at 5% from May 31 1967 to date of payment, for expropriation of their property on Argyle Street, interest on \$50,952.72 being payable from August 1, 1967 and on \$170,952.72 from May 31 to August 31, 1967, the City having paid Conn & Martell Limited \$120,000.00 compensation on July 31, 1967. Motion passed.

Attornment Agreement - Partnership - Halifax Developments Limited- F.W. Woolworth Co. Ltd.

The following report was submitted by Staff:

"City Council on April 27, 1967, as recommended by the Finance and Executive Committee, approved as to form a proposed Attornment Agreement required by F.W. Woolworth Co. Ltd. in respect to its proposed occupancy of premises in Stage II of Scotia Square Development. City Council further stipulated that the execution of such an agreement be subject to the Partnership being satisfied with the terms of the sub-lease to be entered into between Halifax Developments Limited and F.W. Woolworth Co. Ltd.

"Copies of the Attornment Agreement have now been presented to the City for execution by the Partnership. The sub-lease, as referred to above, is now being prepared in final form for execution and a copy of the same will be forwarded to the Director of Development for his perusal. In the meantime, to expedite matters, the City has been asked to arrange for the execution of the Attornment Agreement by the Partnership on the understanding that the City will hold the Agreement in escrow until the City is satisfied as to the terms of the sub-lease.

"This appears to be a matter of some urgency, as F.W. Woolworth Co. Ltd. will not undertake any further obligations in connection with its tenancy, which is scheduled to commence October 1st next, until the lease and other necessary documents have been executed by all parties.

"Council is therefore asked to authorize His Worship the Mayor and the City Clerk to execute the Attornment Agreement on behalf of the City, following which the Agreement will be forwarded to Central Mortgage and Housing Corporation for execution by that partner."

MOVED by Alderman Ivany, seconded by Alderman Abbott, that Council authorize His Worship the Mayor and the City Clerk to execute the Attornment Agreement required by F.W. Woolworth Co. Ltd. in respect to its proposed occupancy of premises in Stage II of Scotia Square Development, on behalf

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of the City, following which the Agreement will be forwarded to Central Mortgage and Housing Corporation for execution by that partner. Motion passed.

Appointments to Transit Commission:

His Worship the Mayor referred to a private discussion by members of Council in connection with the formation of the Transit Commission, and the proposals put forward at that meeting.

MOVED by Alderman Abbott, seconded by Alderman Meagher that the Transit Commission be comprised of seven members plus His Worship the Mayor in an ex officio capacity. Motion passed.

His Worship the Mayor then submitted the following nominations for appointment to the Transit Commission together with their term of office:

<u>MEMBER</u>	<u>TERM EXPIRING</u>
Edwin C. Harris, Chairman	June 1, 1972
Ronald G. Smith	June 1, 1972
Mr. Edmund Morris	June 1, 1971
Mr. Kenneth McGrail	June 1, 1970
Alderman J.L. Connolly	June 1, 1972
Alderman D.G. LeBlanc	June 1, 1971
Mr. T.L. Trainor	June 1, 1971

MOVED by Alderman Allen, seconded by Alderman Ivany that the nominations and terms of office for the Transit Commission, as submitted by His Worship the Mayor, be approved. Motion passed.

His Worship the Mayor said it was understood that the Aldermen named are named while they remain members of City Council, and to the maximum times their re-appointments would be possible after the maximum times.

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Collective Bargaining Agreement - Local 108, C.U.P.E.

A report dated June 18th was submitted by the City Manager relating to the outcome of negotiations for a renewal of the Collective Bargaining Agreement with Local 108, covering City Field, City Hall and Police and Market Building Cleaning Service Woman, Health Centre Maids, Recreation Commission, Point Pleasant Park and the Forum Commission. The report outlined what the Union was seeking, and what was finally agreed upon, and stated "Final agreement with Local 108, relating to the wage settlement and term of agreement was within the guidelines as set by City Council.

MOVED by Alderman Connolly, seconded by Alderman Hogan, that approval be given to changes in rates of pay and conditions of employment, as set forth in final agreement covering members of Local 108, C.U.P.E., and that the Master agreement be prepared for signature by the Mayor and City Clerk on behalf of the City. Motion passed.

MOVED by Alderman Allen, seconded by Alderman Meagher, that approval be given to the appropriation of the sum of \$42,000.00, under Section 316-C of the City Charter, to cover the cost of implementing the agreed changes in rates and conditions of employment for members of Local 108, C.U.P.E. Motion passed.

Council expressed its appreciation of the efforts put forward by the City Manager, the Training and Personnel Officer, Mr. J.W.E. Mingo, Q.C., Mr. J.J. O'Brien, and Mr. Edmund Morris to reach a settlement within the guidelines set by the City Council.

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QUESTIONS

Question Alderman LeBlanc Re: His Worship the Mayor's Appointment as President of the Canadian Federation of Mayors and Municipalities

Alderman LeBlanc asked if City Council members had had an opportunity to congratulate His Worship the Mayor on his appointment as President of the Canadian Federation of Mayors and Municipalities, and if not, they did so at this time.

Question Alderman Ivany Re: Application Mr. R.J. MacDonald, 5247 Morris Street

Alderman Ivany said he had received a letter from Mr. R.J. MacDonald, 5247 Morris Street, expressing concern about his application for an extension to his house.

The City Manager advised that this item would be discussed at the following Friday's agenda meeting.

Question Alderman Ivany Re: Letter from Halifax-Dartmouth and District Trades and Labour Council

Alderman Ivany referred to a letter from the Halifax-Dartmouth and District Trades and Labour Council regarding mobile homes, and asked if staff had examined the letter.

The City Manager replied that staff did not take action on such letters unless Council specifically requested some information to be given.

Question Alderman Sullivan Re: Filling post of Assistant Supervisor of Recreation

Alderman Sullivan asked if consideration had been given to filling the post of Assistant Supervisor of Recreation locally.

Alderman Meagher speaking on behalf of the Recreation Commission, said the position had been advertised

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locally but that it was unfortunately a case of no local applicants who qualified for the position.

NOTICES OF MOTION

Notice of Motion - Alderman LeBlanc - Introduction of Ordinance Number 134, Respecting the Halifax-Dartmouth Port Commission.

Alderman LeBlanc gave notice that, at the next regular meeting of City Council to be held on Wednesday, July 2, 1969, he will introduce, or cause to be introduced, Ordinance No. 134, Respecting the Halifax-Dartmouth Port Commission.

The purpose of this Ordinance is to establish a Commission, to be known as the Halifax-Dartmouth Port Commission, comprised of members from both the City of Halifax and the City of Dartmouth, to promote the growth and development of the port facilities of Halifax Harbour; the Ordinance will provide for appointment of officers, management and staff, and the financial support of the participating cities, and the passing of regulations governing the operation of the Commission.

Notice of Motion - Alderman McGuire - Introduction of Ordinance Number 137, Respecting the Deferred Payment of Taxes

Alderman McGuire gave notice that, at the next regular meeting of City Council to be held on Wednesday, July 2, 1969, he will introduce, or cause to be introduced Ordinance Number 137, Respecting the Deferred Payment of Taxes.

The purpose of this Ordinance is to provide for the postponement of payment of real property taxes by certain persons or classes of persons based on annual income, in respect of real property occupied by such persons as their residence. The Ordinance will be made in accordance with the provisions of Section 228A of the Halifax City Charter, 1963, which Section was enacted by Section 37 of Chapter 91 of the Acts of 1969 and proclaimed by the Governor in Council under date of June 5, 1969.

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Notice of Motion - Alderman Ivany Re: A Second Airline Service
into the City of Halifax

Alderman Ivany gave notice that, at the next regular meeting of City Council to be held on Wednesday, July 2, 1969, he will introduce, or cause to be introduced, a motion that the City approach Canadian Pacific Airlines, and the Air Transport Committee of the Canadian Transportation Commission regarding Canadian Pacific supplying a second airline service into the City of Halifax, as suggested by the Executive Secretary of The Port of Halifax Commission in his letter of May 23, 1969 to His Worship the Mayor and Members of City Council.

Notice of Motion - Alderman Connolly - Introduction of
Ordinance Number 126, Respecting Train Whistles in the City of
Halifax

Alderman Connolly gave notice that, at the next regular meeting of City Council to be held on Wednesday, July 2, 1969, he will introduce, or cause to be introduced, Ordinance Number 126, Respecting Train Whistles in the City of Halifax.

The purpose of this Ordinance is to prohibit the sounding of train whistles at railroad crossings in the City, in order to reduce the amount of disturbing noise to which City residents are exposed.

ADDED ITEMS

Resignation - Director of Finance

The following report was submitted by the
City Manager:

"Mr. Ross L. Towler, C.A., the Director of Finance, has submitted his resignation, effective June 30th, 1969. Mr. Towler is leaving because he feels his interests lie primarily in public auditing and industry rather than municipal work."

MOVED by Alderman LeBlanc, seconded by
Alderman Meagher, that the resignation of Mr. Ross L. Towler, C.A.,
as Director of Finance, be accepted, to be effective June 30th,
1969. Motion passed.

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Appointment - Director of Finance and Acting Director of Finance

The following report was submitted from the
City Manager:

"It is recommended that City Council approve the appointment of Mr. David B. Hyndman, who holds a B. Com. degree (major in accounting) from McGill University, as Director of Finance.

"Mr. Hyndman graduated from university in 1956. Since that time he has gained experience in financial operations and also general management, with companies such as Canadair, Anglo-Canadian Pulp & Paper, Robert Morse Corporation, and more recently, as Controller of Progress-Dodds Limited of Montreal.

"In his school years he moved with his family to Halifax and graduated from Queen Elizabeth High School.

"Mr. Hyndman is 37 years of age, married with five daughters, and is looking forward to a return to the Maritimes.

"There will be a period between July 1st and the commencement of Mr. Hyndman as Director of Finance when it will be necessary to appoint an Acting Director of Finance. It is recommended that Mr. Carl W. Smith, R.I.A., Internal Auditor, and Mr. John L. Leitch, C.A., Comptroller, undertake the duties required, as determined by the City Manager, in accordance with their availability."

MOVED by Alderman McGuire, seconded by
Alderman Sullivan that approval be given to the appointment of Mr. David B. Hyndman as Director of Finance, and that for the period between July 1st and the date Mr. Hyndman assumes his duties, Mr. Carl W. Smith, R.I.A., Internal Auditor, and Mr. John L. Leitch, C.A., Comptroller, undertake the duties required, as determined by the City Manager, in accordance with their availability. Motion passed.

Clean-up of City

Alderman Hogan said he had spoken on this subject previously, but was still far from satisfied with regard to the cleanliness of the City of Halifax. The Harbours Board properties and the Railways right of way, he said, were

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particularly filthy. He also referred to the untidiness around construction sites and general rubbish from cigarette cartons, etc. on the streets. He said the general untidiness of the City was particularly striking to him having recently returned from a trip abroad, where the majority of the cities seemed so clean. The north Commons, he said, was filthy at 5:30, and he suggested that the Director of Recreation get after the children to clean up before leaving the premises. He added that he would like to see the Junior Chamber of Commerce take an active interest in a clean-up of the City, particularly for the Canada Games period.

Alderman LeBlanc said that the Junior Chamber of Commerce were at present involved with Natal Day preparations, so that it might not be fair to expect them to take on the additional duties involved in a clean-up program for the City. He agreed some special effort should be made in this regard for the Canada Games, but at the same time commented on the excellent work the Works Department was already carrying out in the parks, etc. around the City.

Alderman Ivany pointed out that it appeared every new member of Council brought up this point of debris in the City and what could be done to remedy it, and he personally felt it was an individual's responsibility, and that either the citizens wanted a clean City, or they did not care. He felt an education campaign would require the endorsement of some group like the Junior Chamber of Commerce.

After further discussion on the matter, His Worship the Mayor suggested that perhaps the City Department involved should take note of the remarks made concerning

National Harbours Board and Railway properties and write them about cleaning up their lands in view of the oncoming Canada Games.

10:00 p.m. - Meeting adjourned.

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ALLAN O'BRIEN
MAYOR AND CHAIRMAN

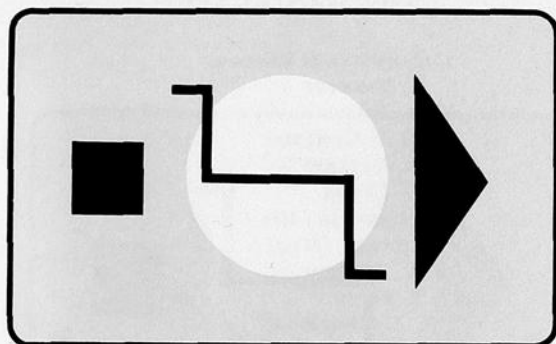
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CITY CLERK

SUPPLEMENT No. 7
to the **NATIONAL BUILDING CODE of CANADA**

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1965

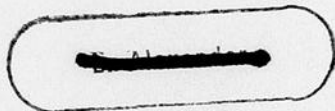
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*Deceased July 1965.

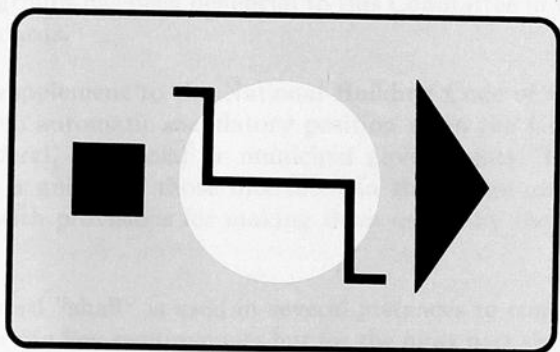
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MAYOR AND CHAIRMAN

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SUPPLEMENT No. 7
to the NATIONAL BUILDING CODE of CANADA

BUILDING STANDARDS FOR THE HANDICAPPED

1965



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FOREWORD

One in every seven Canadians has a permanent physical disability or an infirmity associated with aging

Many handicapped persons, in an effort to participate in community life and to contribute to the economy of the nation, have become frustrated by the present design of public buildings and facilities. As a result of this, strong representation by persons and organizations concerned with the problems of the handicapped brought about the development of **Building Standards for the Handicapped, Canada, 1965**, which is published as a supplement to the National Building Code of Canada.

Following exploratory meetings between representatives of the Department of Labour and the Department of National Health and Welfare, a request was made to the National Research Council that the project of developing the standards be assigned to the Division of Building Research.

The Associate Committee on the National Building Code considered this request in May 1963 and accepted the task of preparing an advisory document for use in Canada. The Committee on Standards for the Handicapped was then formed to identify the problems of the handicapped, study their import and work out acceptable solutions. The extensive research already carried out into this subject by the American Standards Association and other groups has been beneficial to this Committee in the preparation of these standards.

As a supplement to the National Building Code of Canada this document has no automatic mandatory position when the Code is adopted for use by federal, provincial or municipal governments. The supplement is written as a guide for those interested in the design and construction of buildings with provisions for making them usable by the physically handicapped.

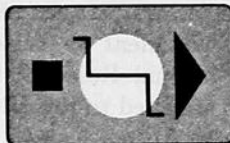
The word "shall" is used in several instances to emphasize the importance of certain key requirements but for the most part the requirements are recommended minima. The words "shall" and "should" are used to differentiate between the essential and desirable requirements in these Standards.

The recommendations contained herein are based on average needs and acceptable norms. Where particular disability problems are concerned, this document can be used only as a guide to the general problem.

It is to be noted that implementation of the Standards will in no way detract from the normal use of buildings or facilities by those who are not handicapped. In fact, it will make buildings more accessible and safer for all

who use them while ensuring for the handicapped and the aged a happier, fuller and more productive life.

The insignia shown on the front cover was designed for use as a directional sign to building entrances usable by semiambulatory and nonambulatory persons. It is also intended to serve as an identification symbol on all facilities provided for the handicapped.



ALLAN O'BRYEN
MAYOR AND CHAIRMAN

R. H. STODDARD
CITY CLERK

REFERENCES

The Associate Committee wishes to acknowledge gratefully the assistance obtained by the Committee on Building Standards for the Handicapped from the following publications; if any information has thus been used for which formal permission should have been obtained, this has only been done in the common task of assisting the physically handicapped, and regret is recorded for any such omission.

American Standards Association.

Making Buildings and Facilities Accessible to and Usable by the Physically Handicapped. Specification A117.1-1961. Chicago, 1961.

Goldsmith, Selwyn. Designing for the Disabled, London, Royal Institute of British Architects, 1963.

Muller, Henrik. Rorelsehindrades stadsbygdsmiljoen studie fran Högdalen. (City Suburb and Environment for Disabled Persons — a study of Högdalen). Stockholm, 1961.

Salmon, F. Cuthbert and Christine F. Salmon. Rehabilitation Center Planning, University Park, Pennsylvania State University, 1959.

Those requiring further information on the design and construction of buildings and facilities for the handicapped may refer to Bibliography # 26 "Building for the Handicapped", published by the Division of Building Research of the National Research Council.

CONTENTS

The Associate Committee wishes to acknowledge gratefully the assistance obtained by the Committee on Building Standards for the Handicapped from the following publications; if any information has thus been used for which prior formal permission should have been obtained, this has been done in the common task of assessing the physically handicapped, and need not be recorded for any such purpose.

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CHAPTER 1 - PURPOSE AND SCOPE

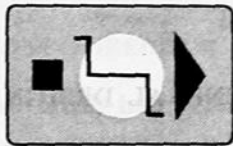
1.1 Purpose

1.1.1 These Standards, supplementing the National Building Code of Canada, are intended to make public buildings accessible to and usable by the physically handicapped without assistance. The application of these Standards in the construction or remodelling of buildings used by the public will help the physically handicapped to participate in many additional community activities.

1.2 Scope

1.2.1 Chapters 1 to 5 of these Standards apply to all buildings and facilities used by the public. They incorporate safety factors of value to all and of particular significance when designing buildings for industry.

1.2.2 These Standards are concerned with the use of buildings by persons with nonambulatory and semiambulatory disabilities, disabilities of sight, hearing and coordination, and disabilities of the aged.



CHAPTER 2 - DEFINITIONS

2.1 Definitions of Words and Phrases

Nonambulatory disabilities: Impairments that, for all practical purposes, confine persons to wheelchairs.

Semiambulatory disabilities: Impairments that cause persons to walk with difficulty or insecurity. Persons using braces or crutches, amputees, arthritics, spastics, and those with pulmonary and cardiac conditions may be semiambulatory.

Sight disabilities: Total blindness or impairments affecting sight to the extent that a person is insecure or exposed to danger.

Hearing disabilities: Total deafness or impairments affecting hearing to the extent that a person is insecure or exposed to danger.

Coordination disabilities: Impairment of purposeful muscle control in the limbs, to an extent that the person is insecure or exposed to danger.

Disabilities of aging: Those manifestations of the aging process that significantly reduce mobility, flexibility, coordination, and perceptiveness but are not accounted for in other disabilities.

Ramp: An inclined plane leading from one level to another.

Walk: An exterior pathway with a prepared surface placed at existing ground level.



CHAPTER 3 - GENERAL DESIGN INFORMATION

3.1 Designing for Children

The dimensions given in these Standards are for adults of average stature. In designing buildings for use by children, it may be necessary to alter some dimensions, such as height of handrails, according to the age group.

3.2 Wheelchair Dimensions

Standard models of commonly used wheelchairs vary between the following dimensions:

Length:	38½-41½ in.
Width when open:	24 -27¾ in.
Width when collapsed:	9½-12 in.
Height of seat from floor:	19¼-20½ in.
Height of armrest from floor:	28 -30 in.
Height of rear pusher handles from floor:	35 -37½ in.

3.3 The Functioning of a Wheelchair

3.3.1 The average turning space required (180 degrees) is 5 ft. - 0 in. by 5 ft. - 0 in.

3.3.2 The minimum turning space required for a 360 degree turn in a corridor is 4 ft. - 6 in. between walls.

3.3.3 A minimum width of 5 ft. - 0 in. is required for two wheelchairs to pass each other.

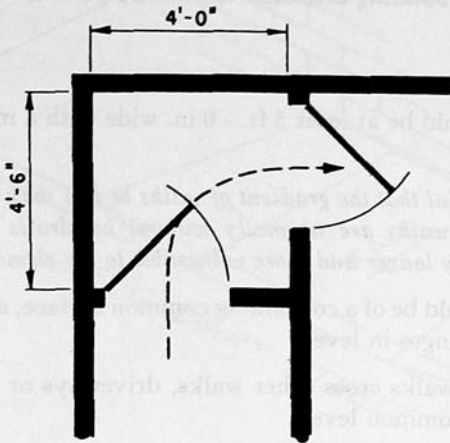


Figure 1
EXAMPLE OF DIMENSIONS REQUIRED FOR 90° TURN IN WHEELCHAIR

3.4 Functioning of an Adult in a Wheelchair

3.4.1 The average upward reach with one arm is 60 in. from the floor and ranges from 54 in. to 78 in.

3.4.2 The average horizontal working reach at a bench or table is 18 in. beyond the front of the working surface.

3.4.3 The average horizontal reach, both arms extended to each side, shoulder high, is 64.5 in. and ranges from 54 in. to 71 in.

3.4.4 In reaching forward diagonally, as when using a wall-mounted dial telephone, the average person can reach a point 48 in. from the floor.

3.5 Functioning of a Person on Crutches

When walking with a normal gait, the distance between crutch tips ranges from 30 to 33 in. depending on the height of the person.

Further information for design (indicated in italics throughout the appropriate Sections of each Chapter) is included to supplement the Standards and is provided to assist the designer using this document.

CHAPTER 4 - SITE DEVELOPMENT

Site development is a most effective means of resolving the problems of access to buildings by the handicapped. The effective use of terracing, retaining walls, and winding walks for a more gradual incline can make almost any building accessible to disabled persons.

4.1 Walks

4.1.1 Walks should be at least 5 ft. - 0 in. wide with a maximum gradient of one in twenty.

It is essential that the gradient of walks be less than that prescribed for ramps, as walks are normally without handrails or curbs and are considerably longer and more vulnerable to the elements.

4.1.2 Walks should be of a continuing common surface, not interrupted by steps or abrupt changes in level.

4.1.3 Wherever walks cross other walks, driveways or parking lots they should blend to a common level.

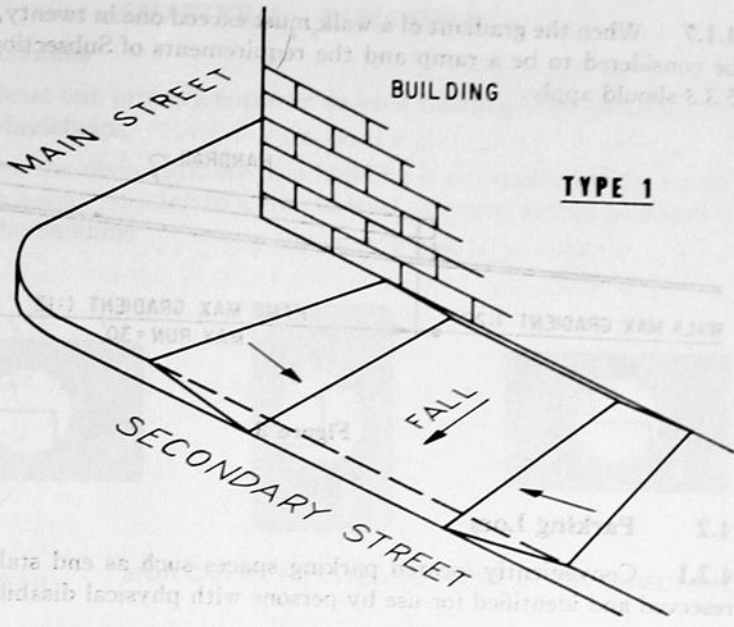
4.1.4 Where walks cross a curb, the curb should be cut and the walk ramped to road level.

Ramping of Walks — Where curb cuts and ramped walks are provided in accordance with Subsection 4.1.2, they should lead on to roads carrying the lesser vehicular traffic. The walk should be cut down, rather than building up the street pavement, and curbs should be provided on each side of the ramp to assist blind persons.

4.1.5 Walks of near maximum grade and considerable length should have level areas at intervals for purposes of rest and safety.

4.1.6 Walks should have nonslip surfaces.

Nonslip surfaces — The provision of nonslip surfaces on steps, walks and floors greatly assists those persons who are handicapped with semi-ambulatory disabilities. Nonslip surfaces may be provided by the use of many standard finishes and materials. Concrete walks can be prepared by brushing the surface to expose the aggregate, or by finishing with an indenting roller.



PREFERRED MAX. SLOPE 1:12
 1:7 MAY BE USED FOR SHORT
 RAMPS WHERE NECESSARY.

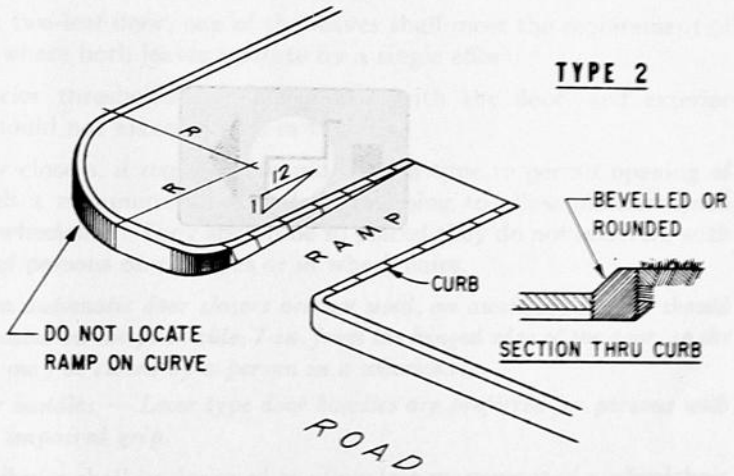


Figure 2
 RAMPING OF WALKS

4.1.7 When the gradient of a walk must exceed one in twenty, then it will be considered to be a ramp and the requirements of Subsections 5.3.1 and 5.3.3 should apply.

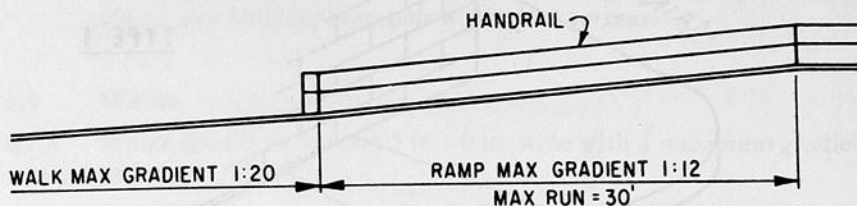


Figure 3

4.2 Parking Lots

4.2.1 Conveniently located parking spaces such as end stalls should be reserved and identified for use by persons with physical disabilities.

4.2.2 Where possible, walkways from such parking spaces should be located so that persons with semiambulatory disabilities or in wheelchairs do not pass behind parked cars.

4.2.3 Parking spaces other than end stalls should be 12 ft. wide, situated on level ground.

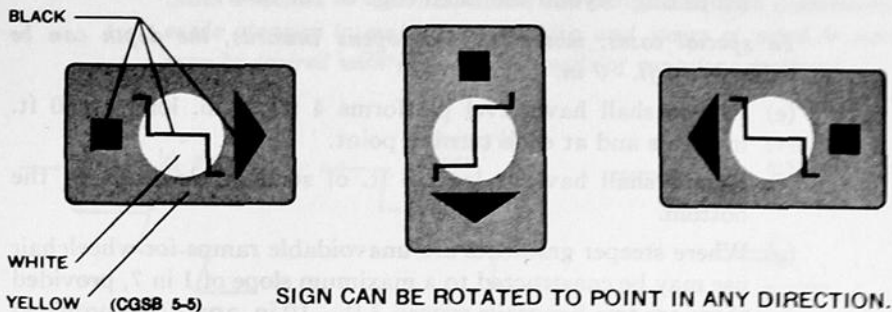


CHAPTER 5 - BUILDINGS

5.1 Entrances

5.1.1 At least one primary entrance to each building shall be usable by persons in wheelchairs.

5.1.2 When the main entrance of a building is not usable by the handicapped, then a sign, pointing to a ground level entrance, should be installed in front of the building.



Exits — Exits should be provided in accordance with Subsection 3.4.2 of the National Building Code of Canada.

5.2 Doors and Doorways

5.2.1 Doorways shall have a clear opening free of protruding hardware of at least 2 ft. - 6 in. when the door is open. Doors shall have a minimum width of 2 ft. - 8 in.

5.2.2 In a two-leaf door, one of the leaves shall meet the requirement of 5.2.1 except where both leaves operate by a single effort.

5.2.3 Interior thresholds should be flush with the floor, and exterior thresholds should not exceed $\frac{1}{2}$ in. in height.

5.2.4 Door closers, if required, should be of a type to permit opening of the door with a minimum effort and slow closing to allow uninterrupted passage of a wheelchair. They should be so placed they do not interfere with the passage of persons on crutches or in wheelchairs.

When automatic door closers are not used, an auxiliary handle should be located on the push side, 7 in. from the hinged edge of the door, so the door may be closed by a person in a wheelchair.

Door handles — Lever type door handles are preferred for persons with impaired grip.

5.2.5 Vestibules shall be designed to allow free movement of a wheelchair between the doors. See Figure 1.

5.2.6 If revolving doors are used, an auxiliary side hung door shall be provided as required in Subsection 5.2.1.

5.3 Ramps and Stairs

5.3.1 Ramps

- (a) Ramps shall have a maximum gradient of 1 in. per ft.
- (b) Ramps shall have a nonslip surface.
- (c) Ramps shall have a minimum width of 3 ft. - 0 in.
- (d) On any ramp leading to a door, a level area 5 ft. - 0 in. by 5 ft. - 0 in. shall be provided at the top, with the extra width projecting beyond the latch edge of the door.

In special cases, where the door opens inwards, the depth can be reduced to 3 ft. - 0 in.

- (e) Ramps shall have level platforms 4 ft. - 0 in. long at 30 ft. intervals and at each turning point.
- (f) Ramps shall have at least 6 ft. of straight clearance at the bottom.
- (g) Where steeper gradients are unavoidable ramps for wheelchair use may be constructed to a maximum slope of 1 in 7, provided there are two handrails spaced 2 ft. - 10 in. apart and provided the length of one run does not exceed 30 ft. Such ramps shall be marked 'Wheelchairs Only'.

Protection of Ramps — Ramps should be located inside the building where possible. When it is necessary to locate them outside, it is desirable to protect ramps from snow and ice accumulation. This may be accomplished by providing a roof over the ramps or by installing snow-melting devices.

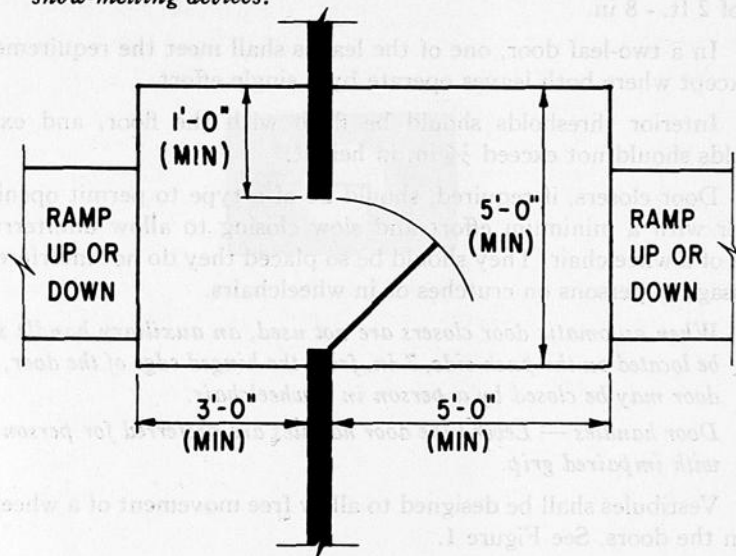


Figure 4
LEVEL AREAS REQUIRED AT END OF RAMPS LEADING TO DOORWAYS

5.3.2 Stairs

- (a) The ratio of riser-to-tread dimensions of stairs should conform to standard riser-to-tread formulae and have a maximum rise of 7 in.
- (b) Stairs should have plain faces. Open risers, or edges projecting out over the face of closed risers are not recommended.
- (c) Stairs should have nonslip surfaces.

Stair Finishes — Terrazzo stairs can be finished with aluminum-oxide abrasive to make them nonslip and stairs of wood or steel may be covered with premoulded treads or carpeting material.

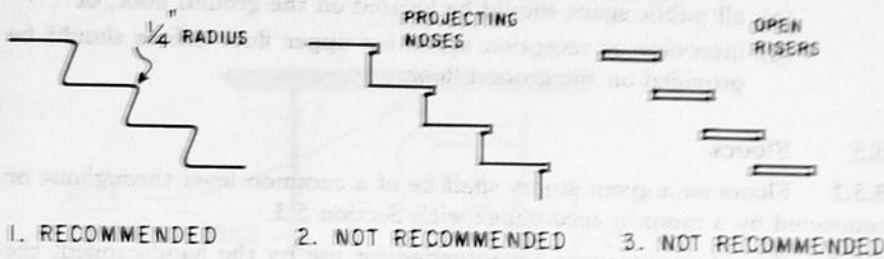


Figure 5
STAIRS

5.3.3 Handrails

- (a) Ramps shall have handrails on at least one side, and preferably two sides, 2 ft. - 8 in. in height, measured vertically from the surface of the ramp. One handrail shall extend one foot beyond the top and bottom of the ramp.
- (b) Stairs shall have handrails preferably on both sides, 2 ft. - 8 in. in height measured vertically from the nose of the tread. One handrail shall extend 1 ft. - 6 in. beyond the top and bottom steps.

Handrail Extension — The handrail extension should be made on the side of a continuing wall, or otherwise designed so that it does not constitute a hazard.

5.4 Vertical Transportation

5.4.1 Public use elevators should be provided in buildings of more than two storeys and are desirable in the latter.

5.4.2 When elevators are provided, they shall be accessible to and usable by the handicapped, including those in wheelchairs, both at the entrance level and at all levels normally used by the public.

Automatic elevators should have slow-acting doors. Call buttons and operating controls should be located not more than 4 ft. - 0 in. above floor level.

5.4.3 Handrails should be provided on three sides of the elevator car.

5.4.4 In two storey buildings, if elevators or ramps are not provided

- all public space should be located on the ground floor, or
- interview or reception space for upper floor offices should be provided on the ground floor.

5.5 Floors

5.5.1 Floors on a given storey shall be of a common level throughout or connected by a ramp in accordance with Section 5.3.

5.5.2 Except at entrances not intended for use by the handicapped, the floor on the inside and outside of a doorway shall be level. This level area shall extend

- at least 1 ft. beyond the latch edge of the doorway.
- 5 ft. in the direction that the door swings.
- 3 ft. in the opposite direction.

Floor Finishes

It is essential that the finish of all floors should have nonslip qualities, even when standard flooring materials are used.

Highly polished finishes should be avoided.

Particular attention should be given to the selection of materials used on vestibule and entrance hallway floors as these may become dangerous when wet.

A minimum of wax should be used in the maintenance of floors to prevent surplus amounts being transferred to the soles of shoes. Nonslip waxes, containing fine abrasive particles are recommended.

5.6 Toilet Rooms

5.6.1 Where toilet rooms are provided for the public, they shall be designed to allow traffic of wheelchairs.

5.6.2 Toilet Stalls

Toilet rooms shall have at least one toilet stall that

- is at least 3 ft. - 0 in. wide and 4 ft. - 8 in. min. in depth.

- (b) has a 2 ft. - 8 in. wide door that swings outwards, preferably against a side wall.
- (c) has the water closet located at one side, 1 ft. - 6 in. from centre of fixture to the side wall.
- (d) has a grab bar on both sides, 2 ft. - 9 in. high and parallel to the floor, 1½ in. in outside diameter, with 1½ in. clearance between rail and wall, fastened securely to the wall, and
- (e) has a water closet that conforms with the requirements of Section 5.6.3.

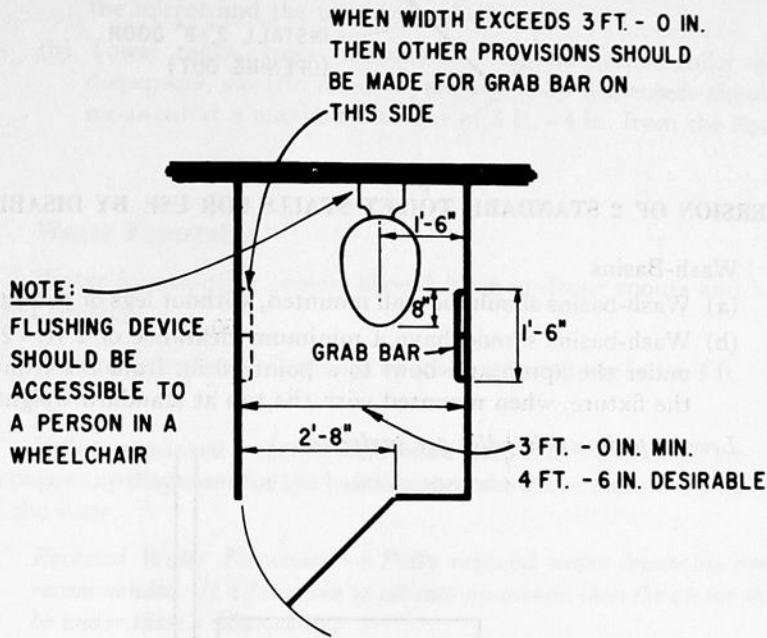


Figure 6
TOILET STALL FOR THE DISABLED

Toilet stalls of adequate size for the handicapped can be provided in existing buildings by combining two standard stalls into one as shown in Figure 7. The common partition and one water closet should be removed and a door provided in accordance with Subsection 5.6.2(b).

5.6.3 Water Closets

Water closets for the handicapped shall be mounted so that the top of the seat is 1 ft. - 8 in. above floor level.

Design of Water Closets — Water Closets should be of a design to allow the approach of a wheelchair without obstructing the footrest. Wall mounted fixtures are preferable, but some floor models with receding understructures may also be suitable. Flushing control handles should hand operated and easily accessible to a person in a wheelchair.

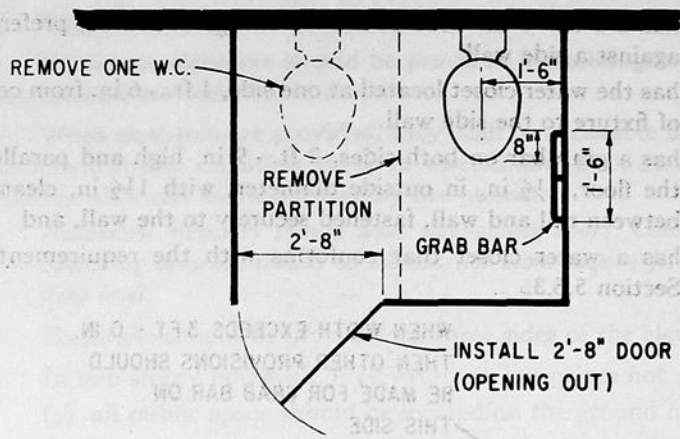


Figure 7
CONVERSION OF 2 STANDARD TOILET STALLS FOR USE BY DISABLED

5.6.4 Wash-Basins

- (a) Wash-basins should be wall mounted, without legs or pedestals.
- (b) Wash-basins should have a minimum clearance of 2 ft. - 2 in. under the apron and bowl to a point 10 in. from the front of the fixture, when mounted with the top at standard weight.

Lever type faucet handles are preferred.

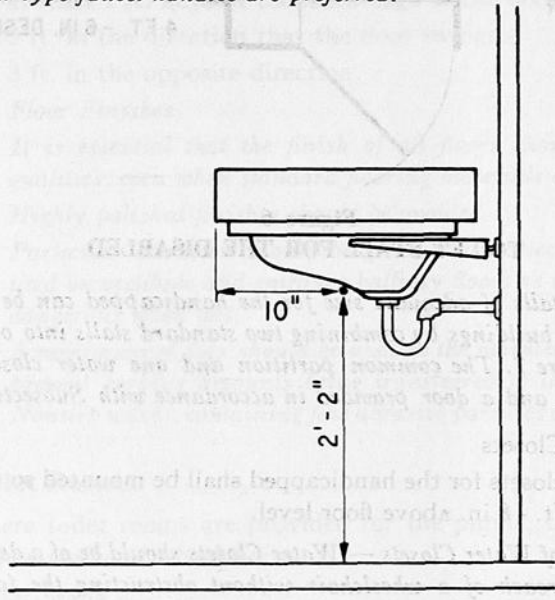


Figure 8
WASH BASIN USABLE BY A PERSON IN A WHEELCHAIR

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5.6.5 Urinals

- (a) Floors under urinals should be level with the main floor of the toilet room.
- (b) The opening of the basin of wall mounted urinals should be 1 ft. - 7 in. above the floor.

5.6.6 Accessories

- (a) Mirrors and shelves should be provided above lavatories at a maximum height of 3 ft. - 2 in. from the floor to the bottom of the mirror and the top of the shelf.
- (b) Towel racks, towel dispensers, disposal units, toilet paper dispensers, electric hand dryers and soap dispensers should be mounted at a maximum height of 3 ft. - 4 in. from the floor.

5.7 Water Fountains

5.7.1 Water fountains or coolers should have up-front spouts and hand-operated controls.

5.7.2 Wall mounted coolers should be mounted with the basin 3 ft. - 0 in. above the floor.

5.7.3 If floor mounted water coolers more than 3 ft. - 0 in. high are used, then a paper cup dispenser for the handicapped should be mounted 3 ft. - 0 in. above the floor.

Recessed Water Fountains — Fully recessed water fountains are not recommended. If a fountain is set into an alcove, then the alcove should be wider than a wheelchair.

5.8 Public Telephones

Telephone Booths — The conventional public telephone booth is not usable by most physically disabled persons. It is recommended that architects and builders confer with the telephone company in the planning of the building to determine the type of equipment to be used.

5.8.1 Where public telephones are provided, at least one should be

- (a) located in a booth or enclosure that can be entered by a person in a wheelchair.
- (b) mounted so that the dial, handset and coin deposit slots are not more than 4 ft. - 0 in. above the floor.
- (c) equipped with an amplifier on the receiver.

5.9 Cafeterias

Cafeterias should be designed to allow passage of a wheelchair through the food service lanes and between tables. Cutlery and food display racks should be visible and within reach of a person seated in a wheelchair.

5.10 Controls

5.10.1 Switches and controls for lights, heating and ventilation equipment, windows, draperies, fire alarms and all similar controls of frequent or essential use should be placed within reach of persons in wheelchairs and should be of a type that may be easily operated by the disabled. Utility receptacles should be at least 1 ft. - 6 in. above the floor.

5.11 Lighting

5.11.1 A minimum illumination level of 5-foot candles shall be provided on exterior ramps.

5.12 Warning Signals

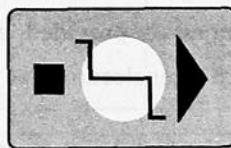
5.12.1 Where it is practical,

- (1) Emergency audio warning signals should be accompanied by simultaneous visual signals for the benefit of those with hearing disabilities, and
- (2) Emergency visual warning signals should be accompanied by simultaneous audio signals for the benefit of the blind.

5.13 Hazards

Every effort should be made to eliminate hazards which may cause injury to those with physical disabilities.

Objects such as door closers, lights and signs projecting into corridors or doorways should be mounted at least 6 ft. - 6 in. above the floor.



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