APPENDIX A

The material contained in this appendix is for clarification purposes only. The notes, illustrations, etc. are numbered to correspond to the number of the rule as it appears in the text of the code.

A-50.10-50.25 FORMS. The following forms (SB2, 8, 8A, 118, 198, 224B and SBD-4927) are referred to in sections Ind 50.10, 50.12, 50.14, 50.18, 50.20 and 50.25. Copies of these forms are available from the Division of Safety and Buildings, P.O. Box 7969, Madison, Wisconsin 53707.

Department of Industry, Labor and Human Relations

SB-2
REV. 10/76

Building Inspection Report and Orders

INSPECTION DATE			FILE NO. E –
OWNERS NAME		OCCUPANCY INSPECTED	
MAILING ADDRESS		LOCATED AT (STREET ADDRESS)	
CITY	STATE ZIP CODE	CITY	COUNTY

An Inspection of the above occupancy discloses violations of orders of the Dept. of Industry, Labor & Human Relations promulgated under authority of Chapter 101 of the Revised Statutes of Wisconsin

SEE REVERSE SIDE FOR APPLICABLE WISCONSIN STATUTES | Plan No. –

NOTE	ITEM	ORDER	REQUIREMENTS:	☑ Done	☒ Not Done

IMPORTANT

- Please report when orders are completed
- Avoid Delay
- Forfeiture for violations are $10 to $100 each day for each violation.
- Keep us informed.

"Failure of an employer reasonably to enforce compliance by employes with such statute or order of the Department shall constitute failure by the employer to comply with such statute or order." Sec. 102.57 Wis. Stats.

COMPLIANCE DATE	VIOLATIONS EXPLAINED TO:	TITLE
BY DEPUTY	DEPUTY NO.	SAFETY & BUILDINGS DIVISION

Address all Correspondence Safety and Buildings Division, Department of Industry, Labor and Human Relations, P.O. Box 7969, Madison, Wisconsin 53707

Register, January, 1980, No. 289
Building and heating, ventilating and air conditioning code

SB Bldg/ ' '
PETITION FOR MODIFICATION OF A RULE IN THE WISCONSIN ADMINISTRATIVE CODE

WISCONSIN DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS
DIVISION OF SAFETY & BUILDINGS
P. O. BOX 7969, MADISON, WI 53707

PETITION REVIEW FEE – $75.00

Name of Owner		Building Occupancy or Use		Agent, Architect or Engineering Firm	
Company		Tenant Name, if any		Street & No	
Street & No		Building Location, Street & No.		City	State & Zip
City	State & Zip	City	County	Phone	

1. Rule Ind. _____ of the Wisconsin Administrative code cannot be entirely satisfied because

_____

2. In lieu of complying exactly with the rule, the following alternative is proposed as a means of providing an equivalent degree of safety

_____

3. Supporting arguments are

_____

Verification by owner

_____, being duly sworn, says he is the petitioner herein, that he has read the foregoing petition and that the same is true, as he verily believes

_____
signature of owner

Subscribed and sworn to me this ___ day of _____, 19___, in _____ County, Wisconsin.

_____
Notary Public

My commission expires _____

Commission Action	
Secretary	Date

–PETITION IS VALID ONLY IF NOTARIZED

POSITION STATEMENT:
To be compiled by
Chief of Fire Department
SB 8-A (2-77)

WISCONSIN DEPARTMENT OF
INDUSTRY, LABOR AND HUMAN RELATIONS
DIVISION OF SAFETY & BUILDINGS
P.O. BOX 7969, MADISON WI 53707

Name of Owner	Building Occupancy or Use	Agent, Architect or Engineering Firm
Company	Tenant Name, if any	Street & No.
Street & No.	Building Location, Street & No.	City State & Zip
City State & Zip	City County	Phone

1. I have read the petition for modification of rule: Ind
2. I recommend (Check appropriate box) | Denial | Approval | Conditional Approval | No Comment*
3. Explanation for Recommendation:

Sample

* If desired, Fire Departments may indicate "No Comment" on non-fire safety issues such as sanitary, energy conservation, structural, barrier free environments, etc.

4. ☐ I find no conflict with local rules and regulations
   ☐ I find that the petition is in conflict with local rules and regulations

Explanation

Signature of Fire Chief | Date

PLEASE COMPLETE AND SUBMIT PROMPTLY TO DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS AT THE ADDRESS SHOWN ABOVE.

PLANS APPROVAL APPLICATION
SB -118 (Rev 1/78)

Department of
INDUSTRY, LABOR AND HUMAN RELATIONS

Safety & Building Division
Box 7969
201 E. Washington Avenue
Madison, Wisconsin 53707

INSTRUCTIONS: Fill in all applicable data. Submittal of Plan Approval Application form is required with each plan submittal. Examination and inspection fees, as determined on back of form, are required to be submitted with a minimum of 4 sets of plans. Data required on plans is described in code section Ind 50.12.
Codes can be purchased from the Department of Administration, Document Sales, 202 S. Thornton Ave., Madison, 53703

1. THIS APPLICATION IS FOR: ☐Building Plan Approval ☐Heating Plan Approval ☐Other _____

2. PLANS FOR: ☐New Building ☐Addition ☐Alteration ☐Structural ☐Footing & Foundation
☐Revision to previously approved plans ☐Other _____

3. PROJECT INFORMATION

Name of Owner	Building Occupancy or Use	Designer or Design Firm
Company	Tenant Name, if any	Street & No.
Street & No.	Building Location, Street & No.	City State & Zip
City State & Zip	City ☐ Village ☐ Town ☐ County	Phone
Previous Owner if any	Return Plans to ☐Owner ☐Designer	

4. DETERMINATION OF FEES SEE CHAP. IND. 69 FOR FULL SCHEDULE
SEE BACK OF PAGE FOR FEE CALCULATION AND ABBREVIATED FEE SCHEDULE

Total Volume _____

4a Building Plan Fee $ _____
4b Heating-Ventilation Fee $ _____
4c Other _____
4d Inspection _____
4e TOTAL _____

FOR OFFICE USE ONLY
Amount Rec'd _____
Date Rec'd _____
Receipt No. _____

5. OTHER INFORMATION
5a Type of Construction
☐Fire Resistive–Type A ☐Metal Frame Protected ☐Exterior Masonry ☐Wood Frame Protected
☐Fire Resistive–Type B ☐Heavy Timber ☐Metal Frame Unprotected ☐Wood Frame Unprotected
5b Mechanical Information: Type of Heating _____ Net Rating of Heating Units _____

5c SOIL BEARING CAPACITY (See Ind. 53.21)
Method used to determine capacity:
Check One- Verified ☐ Presumptive ☐
Check Value Used- PSF 2000 ☐, 3000 ☐, 4000 ☐
6000 ☐, 12000 ☐, Other _____

Yes	No
☐	☐ Sprinkler System Provided?
☐	☐ Fire Alarm Provided?
☐	☐ Other Detection System Provided?
☐	☐ Emergency Power Provided?

6. DESIGN AND SUPERVISION (IND 50.13)
The design, plans, computations and specifications for this project have been prepared under my supervision. I am registered as an ☐ Architect ☐Engineer ☐Designer in Wisconsin as provided in Section 443.01 of the Wisconsin Statutes. ☐ I am not registered. If this building, existing and additions, contains over 50,000 cu. ft. total volume, it must be designed by a registered person.

SEE BACK OF PAGE FOR ADDITIONAL INFORMATION ON PUBLIC RECORDS.

Signature of designer	Registration Number	Date

If this building, existing and additions, contains over 50,000 cu. ft. total volume, the construction of this project shall be under the supervision of a Wisconsin registered architect, engineer or in the case of heating and ventilating, designer.

Plans for buildings over 50,000 cu. ft. will not be approved until the name of the supervising professional is known.

Name of Supervising Professional	Registration Number

NOTE: The supervising professional shall file a written report with the Department upon completion of construction. (Ind 50.13(3))

4. DETERMINATION OF FEES

INSTRUCTIONS:

1. Refer to fee schedule shown below.
2. Enter area of each floor in appropriate space.
3. Enter height of each floor (Height includes attic and space between floors).
4. Compute volume of each floor/attic space and total volume for building.*
5. Compute building-and/or heating fee per building.
6. Enter other fee (if any) in space per building.
7. Compute inspection fees per building.
8. Total fees and transfer information to front page.

*The "total volume" is determined by the overall outside dimensions of length, width and height.

EXAMINATION FEES PER BUILDING

Building Plan Fee: Fee. 60 per 1000 cu. Ft.
Minimum Fee $25.00
Heating & Ventilating Plan Fee: Fee. 40 per 1000 cu. ft. Minimum Fee $25.00
Alterations to bldgs: Fee $1.50 per $1,000 est. cost. Minimum fee $25.00
*Structural Plans $25.00 per Bldg.
Revision to approved Plan $25.00
*Exhaust Systems $25.00 per plan (Govt. Owned only)
*Spray Booths $25.00 per Plan (Govt. Owned only)
Permit to Start Construction (SB-198) $35.00 per Bldg.
*Footing & Foundation Plans $25.00 per Bldg.
*Stadium, Grandstand, Bleacher $10.00/1000 Seats
Minimum Fee $25.00
*Fire Escapes $25.00 per fire escape

NOTE

(1) Heating & Ventilating Plans submitted separately require an inspection fee of $44.00.
*(2) Plans other than building or heating require an inspection fee of $25.00.
(3) Warehouses-Reduce plan examination fees (Not inspection fees) by 30%.
(4) Building plan fee for Bldgs. exceeding 1,000,000 cu. ft. is $600 plus $0.40 per 1,000 cu. ft. in excess of 1,000,000 cu. ft..
(5) Heating & Ventilation plan Fee for Buildings exceeding 1,000,000 cu. ft. is $400 plus $0.25 per 1000 cu. ft. in excess of 1,000,000 cu. ft.

INSPECTION FEES PER BUILDING:

Building Volume/Alt. Cost	Fee
Up to 25,000 cu. ft./dollars	$50.00
25,001 - 100,000 cu. ft./dollars	$75.00
100,001 - 500,000 cu. ft./dollars	$100.00
500,001 - 1,000,000 cu. ft./dollars	$125.00
In excess of 1,000,000 cu. ft./dollars	$150.00

No. of Floors	Area	Height	Total each Floor	Total Vol./1000 x Exam Fee	Building Plan Fee
Basement/Ground	x		= cu. ft.	x .60 =	$
1st Floor	x		= cu. ft.	Total Vol./1000 x Exam Fee	Heating Ventilating Fee
2nd	x		= cu. ft.	x .40 =	$
3rd	x		= cu. ft.	☐Structural $25.00 ☐Alteration $1.50/1000 ☐Permit to start $35.00 ☐Exhaust $25.00 ☐Fig. & Found $25.00 ☐Revision $25.00	Other
4th & 5th attic & etc.	x		= cu. ft.		$
	Total Volume or Total Cost of Alteration		=		Inspection Fee $
					Total $

TRANSFER ALL DOLLAR AMOUNTS AND VOLUME TO FRONT PAGE _____

PUBLIC RECORDS

A copy of the plans submitted with this application will be held in the files of this division and are considered Public Records. Interested persons may, upon request, review the plans and files in this office.

SB–198
Rev. 5/77

DEPARTMENT OF INDUSTRY, LABOR AND HUMAN RELATIONS
SAFETY & BUILDINGS DIVISION
P.O. BOX 7969
MADISON, WISCONSIN 53707

PERMIT TO START CONSTRUCTION
FEE $35.00 (per bldg.) IN ADDITION TO EXAMINATION INSPECTION FEES

Location of Project:

Owner: _____ E: _____

Street: _____ Plan File Number _____

City: _____ Date Plans Rec'd _____

County: _____

Occupancy: _____

We, the undersigned, request to begin footing and foundation work prior to approval of the plans.

Complete plans have been submitted to the Department of Industry, Labor & Human Relations, Division of Industrial Safety and Buildings, and all information requested by Code Ind. 50.12 has been included with the submittal.

We have reviewed the specific code requirements for the building or structure including, but not limited to, Ind. 54.01, Ind. 55.02, Ind. 56.02, Ind. 57.01 (construction, height and allowable area), Ind. 50.12, Ind. 51.03, Ind. 53, Ind. 55.05 and Ind. 54.50, when applicable, and have shown compliance on the drawings.

We agree to make any changes required after the plans have been reviewed and to remove or replace noncode complying parts of the foundation and/or footings.

We agree to proceed with the footings and foundation only and will not continue with the remainder of the building or structure until approval has been received.

_____
Owner's Signature Date

Name: _____

Address: _____

_____

_____
Designer's Signature Date

Name: _____

Address: _____

_____

_____
Accepted By Date

Dept. of Ind., Labor & Human Relations
Div. of Industrial Safety & Buildings

Not Accepted Because _____

_____

Plans will be examined within the next _____ days.

NOTE: Footing and foundation plans submitted prior to final building plans will not be accepted for this permit.

INSPECTION PROGRESS REPORT

Wisconsin Department of Industry, Labor & Human Relations
SAFETY AND BUILDINGS DIVISION
P.O. Box 7969 Madison, Wisconsin 53707

RE:

TO:

FILE NUMBER

E-

DATE OF INSPECTION:	PERSON CONTACTED
No. 1.	
2.	
3.	
4.	
BLDG FINAL	
H & V FINAL	
OTHER FINAL	

COMPLIANCE DATE

OFFICE INSTRUCTION (Check one)

- ☐ Voluntary compliance
- ☐ Process SB-2
- ☐ Code violations explained to owner

Supervisor Review

INSP. 1	2	3	4	Final	ORDER NUMBER

√ Order Corrected
X Order Not Corrected

FINDINGS OF INSPECTION

Items listed must be corrected before the next inspection or final inspection. If corrections are not made prosecution by the Attorney Generals Office will result.

NAME AND ADDRESS OF
CONTRACTOR:

OWNER'S NAME (IF DIFFERENT FROM ABOVE)

ADDRESS

CITY STATE ZIP

DEPUTY SIGNATURE

REG NO.

IF YOU HAVE ANY QUESTIONS I WILL BE IN MY OFFICE ON:

TELEPHONE:

DILHR-SB-224B (R.06/79)

WORK COPY

Appendix

DILHR-SBD-4927 (1/77) CERTIFICATE OF COMPLETION

Date _____

TO: Department of Industry, Labor and Human Relations
Safety and Buildings Division
P. O. Box 7969
201 E. Washington Avenue
Madison, WI 53707

Gentlemen:

RE: File Number: _____

Plan Number: _____

Owner: _____

Occupancy: _____

Building Street Address: _____

City: _____ County: _____

This is to certify that construction of the referenced project was under my supervision, in accordance with Ind 50.10, and that to the best of my knowledge and belief it has been completed in substantial compliance with the approved plans and specifications with the following exceptions: (IF NONE, STATE NONE)

_____

_____

_____

_____

_____

_____

This certificate covers: Building ☐

Heating & Ventilation ☐

Structural ☐

Other ☐ (Specify) _____

Name: _____ Signature: _____

Registration Number: _____

Address: _____

_____

A-50.20 FEES. The following reprint of section Ind 69.09 may be used to determine the amount of fee required for building-related services offered by the department:

Ind 69.09 Buildings, structures, heating and ventilating. (1) PLAN EXAMINATION AND APPROVAL FEES. Fees for the examination and approval of all plans submitted in accordance with the requirements of Wis. Adm. Code chapters Ind 50-64 will be determined in accordance with the following schedules.

(a) *Building; heating and ventilating.* Fees for the examination and approval of all building and heating and ventilating plans will be computed on the basis of the total volume of the building and at the following rates:

Note: For the purpose of determining fees, the volume is determined by the overall outside dimensions of length, width and height.

Total volume	Building plans	Heat & vent plans
0-1,000,000 cubic feet	$0.60 per 1000 cubic feet. Minimum fee-$25.00 per plan.	$0.40 per 1000 cubic feet. Minimum fee-$25.00 per plan.
Over 1,000,000 cubic feet	$600 plus $0.40 per 1000 cubic feet in excess of 1,000,000 cubic feet.	$400 plus $0.25 per 1000 cubic feet in excess of 1,000,000 cubic feet.

1. Exceptions.

a. Warehouses. The fees for plan examination and approval of warehouses shall be determined in accordance with Ind 69.09 (1) (a) except that the fee may be reduced by 30%. Minimum fee—$25.00.

b. *Replacement of heating equipment.* The replacement of a boiler or a furnace in an existing heating system with no alterations to the heating system requires no fee. See Ind 69.03 (5) for registration fee for boilers and pressure vessels.

(b) Permit to start.....$35.00 per permit.

(c) Alteration plans for buildings and structures and heating and ventilating may be determined in accordance with (1) (a), based on total building volume affected by such alteration, or the following:

$1.50 for every $1000 or fraction of $1000 estimated cost. Minimum fee— $25.00 per plan.

(Estimated fee need not include cost of razing, piping, electrical, painting or decorating.)

(d) Revisions to previously examined plans.....$25.00 per plan.

(Applies when plans are revised, for reasons other than those that were requested by the department, before construction of the specific item commences.)

(e) Footing and foundation plans submitted separately.....$25.00 per plan.

(f) Structures.....$25.00 per plan.

(Applies when submitted separately and not included with general building plans, such as trusses, precast concrete and other structures.)

(g) Fire escapes.....$25.00 per plan.

(h) Stadia, grandstands and bleachers.....$10.00 per 1000 seats or fraction of 1000 seats. Minimum fee—$25.00.

(i) Industrial exhaust systems for dusts, fumes, vapors and gases (government owned only).....$25.00 per plan.

(j) Spray booth plans (government owned only).....$25.00 per plan.

(2) APPROVAL NUMBERS. The fee for approval numbers issued by the department for the approval of materials, equipment and devices.....$200.00 per approval.

(3) INSPECTION FEES. Field inspection fees shall be remitted for each building or structure in accordance with the following:

(a) *General building, heating and ventilating inspection fees.* When plans for the building and the heating and ventilating system are submitted together, inspection fees shall be determined in accordance with the following:

New building construction (cubic feet)	Fee
Up to 25,000 cubic feet	$50.00
25,001 - 100,000 cubic feet	75.00
100,001 - 500,000 cubic feet	100.00
500,001 - 1,000,000 cubic feet	125.00
1,000,001 cubic feet and over	150.00

(b) *Heating and ventilating inspection fees.* Heating and ventilating inspection fee, when plans are submitted separately from building plans ..... $44.00.

(c) *Inspection fees for alterations to existing buildings.* Inspection fees for alterations to existing buildings shall be determined in accordance with (3) (a) or the following:

Alteration or repair (dollar amount)	Fee
Up to $25,000	$50.00
$25,001 - $100,000	75.00
$100,001 - $500,000	100.00
$500,001 - $1,000,000	125.00
$1,000,001 and over	150.00

(d) *Miscellaneous inspection fees.* Miscellaneous inspection fees include fire escapes, stadia and grandstands, exhaust systems, spray booths and other structures for which plan submission is required ..... $25.00.

(4) COLLECTION OF FEES. All fees shall be remitted at the time the plans are submitted. No plan examinations, approvals or inspections will be made until the fees are received.

(5) MICROFILM FEES. Microfilm prints of approved plans for the years 1967-1972 are available at a nominal cost upon approval of the original designer.

(6) PETITIONS FOR MODIFICATION. The department will consider and may grant modification to an administrative rule upon receipt of a fee of $75.00, a completed petition for modification form from the owner, and a position statement from the fire department having responsibility and an interest in the rule, provided an equivalent degree of safety is established in the petition for modification which meets the intent of the rule being petitioned.

A-51.01 (12) BUILDING. The intent was to consider permanent awnings as part of a building.

A-51.01 (42) FAMILY. The intent of this definition is to clarify the use of the word "family" in reference to section Ind 57.001 (2) (a); it is not intended as a variance to requirements stated under Ind 57.001 (2) (b).

A-51.01 (67a) HABITABLE ROOM. It is the intent that rooms designated as recreation, study, den, family room, office, etc. and providing the only space for living and/or sleeping are considered habitable rooms.

A-51.01 (115) SETBACK. The intent was to not include gutters, downspouts, outdoor lighting fixtures, signs and similar attachments as parts of a building.

A-51.01 (121) STORIES, NUMBER OF. For further clarification, refer to A-51.02 (14).

A-51.01 (144) WALL (DIVISION).

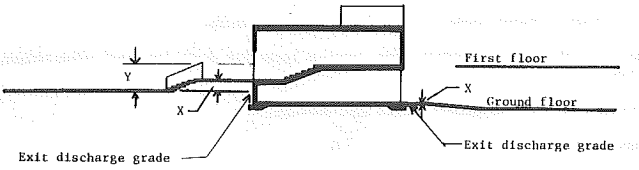
(a) *Building division wall* is intended to denote a wall constructed in a manner sufficient to meet requirements for a party wall [see "Wall (Party)"] and is acceptable as a dividing wall or enclosing wall when determining the volume of a building as referred to in sections Ind 50.07, 50.10 and 50.12.

(b) *Fire division wall* is intended to relate to construction that provides separation between portions of a building to satisfy allowable floor area limitations, separation between 2 classes of construction, or separation of hazardous occupancies. For other separations, see "occupancy separations" and isolation of hazards sections of this code.

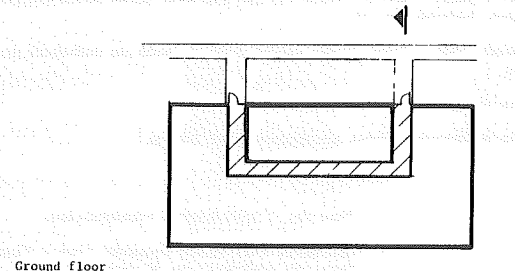
A-51.01 (151) WALL (PARTY). It is intended that a property consisting of joining plotted subdivisions owned by one individual, that can be owned by separate individuals, is included in the definition of party wall.

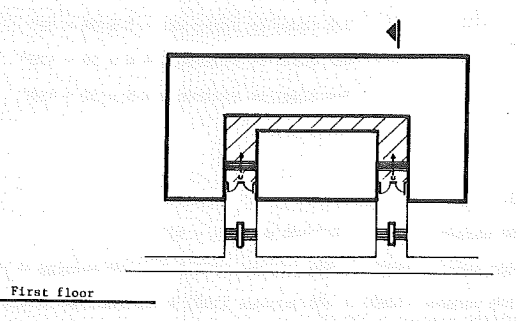
Appendix

A-51.02 (14) DETERMINATION OF NUMBER OF STORIES. The following illustrations are provided to give visual aid to this rule and the definition of Ind 51.01 (121) Stories, Number of.



Note: X = 3'-0" (maximum)
Y = 6'-0" (maximum)

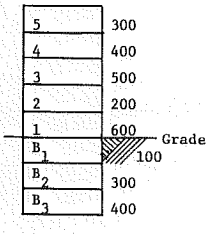




A-51.042 (5) The use of the term "high hazard" as referred to in this section is intended to apply to the following list of operations and occupancies:

1. Aircraft hangars.
2. Dry cleaning establishments: using or storing gasoline or other volatile flammable liquids.
3. Enameling or japanning operations.
4. Mills: sugar, starch, cereal, feed, flour and grist mills.
5. Paint and varnish: manufacturing, storing, handling, spraying, and other related operations.
6. Pyroxylin products: manufacture and storage.
7. Repair garages.
8. Smoke houses.
9. Storage of: explosive gases under pressure (15 psi and over 2,500 cubic feet) such as acetylene, hydrogen, natural gas, etc.
10. Storage of: materials with a flash point under 200° F. such as celluloid products, kerosene, oils, etc.
11. Woodworking establishments.

A-51.15 (6) EXAMPLE TO DETERMINE TOTAL AGGREGATE EXIT WIDTH.



Type No. 1 sprinklered construction.

Aggregate exit width required from a floor into the stairwell is 30 inches per 100 people on that floor; i.e.,

5th floor to stairwell = 3 x 30 = 90"

4th floor to stairwell = 4 x 30 = 120"

3rd floor to stairwell = 5 x 30 = 150"

Stair width required:

5th to 4th - 300 persons (100%) x 30"/100 persons = 90"

4th to 3rd - [400 persons (100%) + 300 persons (50%)] 30"/100 persons = 165"

3rd to 2nd - [500 persons (100%) + 400 persons (50%) + 300 persons (25%)] 30"/100 persons = 232.5"

2nd to 1st - [200 persons (100%) + 500 persons (50%) + 400 persons (25%)] 30"/100 persons = 165" (Use 232.5")

1st to exterior - [600 persons (100%) + (200 persons + 100 persons) (50%) + (500 persons + 300 persons) (25%)] 30"/100 persons = 285"

B_1 to 1st - [100 persons (100%) + 300 persons (50%) + 400 persons (25%)] 30"/100 persons = 105" (Use 150")

B_2 to B_1 - [300 persons (100%) + 400 persons (50%)] 30"/100 persons = 150"

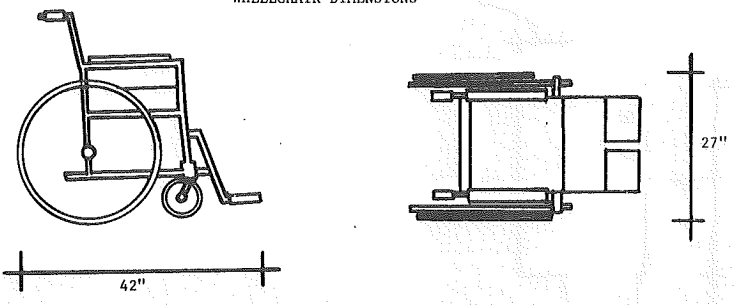
B_3 to B_2 - 400 persons (100%) x 30"/100 persons = 120"

Stair width required from B_1 to 1 is 150" as stair cannot decrease in width along path to exit [Ind 51.16 (2) (c)].

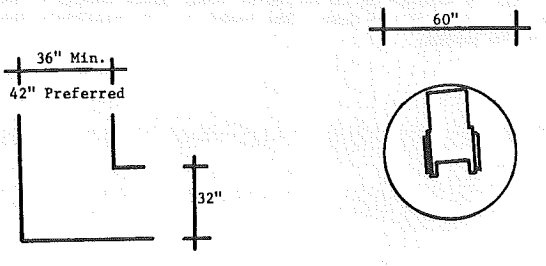
Appendix

A-52.04 REQUIREMENTS FOR BARRIER-FREE ENVIRONMENTS. The following illustrations are provided to give the designer visual aids for making facilities accessible.

WHEELCHAIR DIMENSIONS



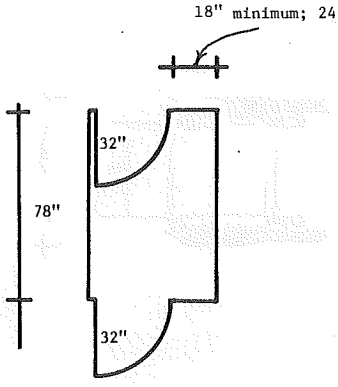
TURNING SPACE



90° Turn

180–360° Turn

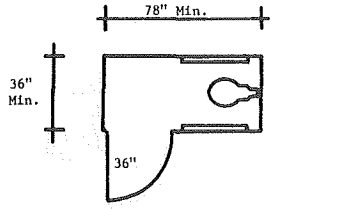
DOORS IN SERIES



Doors in series should be hinged on the same side and should swing in the same direction. A minimum of 18 inches of clear space should be provided on the door knob side of the door. The length of the vestibule should be a minimum of 78 inches.

Appendix

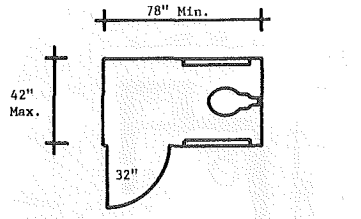
EXAMPLES OF ACCESSIBLE TOILET COMPARTMENTS
AS SPECIFIED IN TABLE 52.04-A

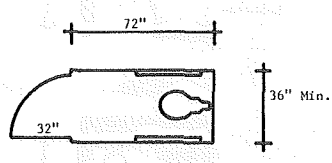


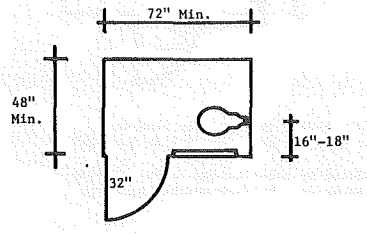
Recommended fixtures:

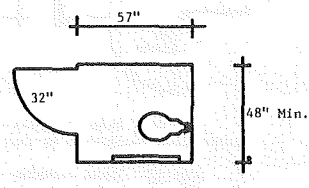
1. Elongated bowl;
2. Wall mounted.

Note: These are examples of toilet room compartments which are located within accessible toilet rooms.



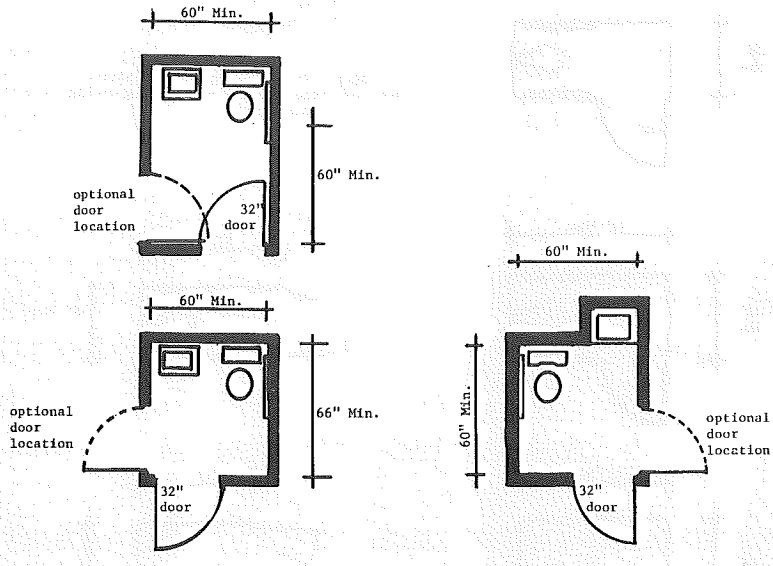






The door of the 48" x 57" water closet compartment having a frontal approach should not align with the placement of the water closet.

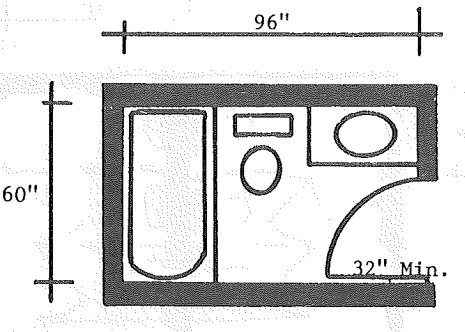
EXAMPLES OF ACCESSIBLE TOILET ROOMS
CONTAINING ONE LAVATORY AND ONE WATER CLOSET

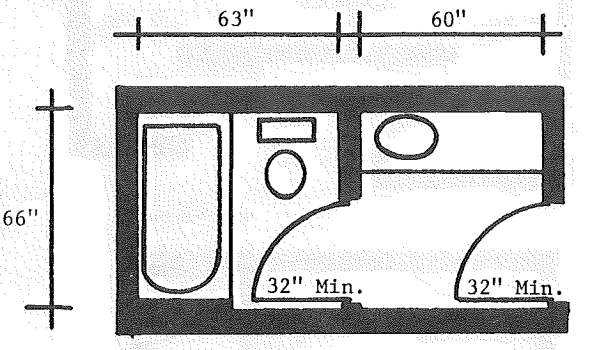


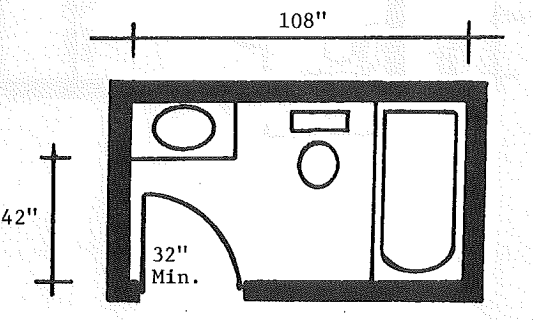
Note #1: These examples of accessible toilet rooms may be used in health care facilities in that sufficient room for the attendant is provided.

Note #2: These examples may be modified by substituting pocket sliding doors for the swing doors shown in the examples. Surface-mounted hardware is recommended for pocket sliding doors.

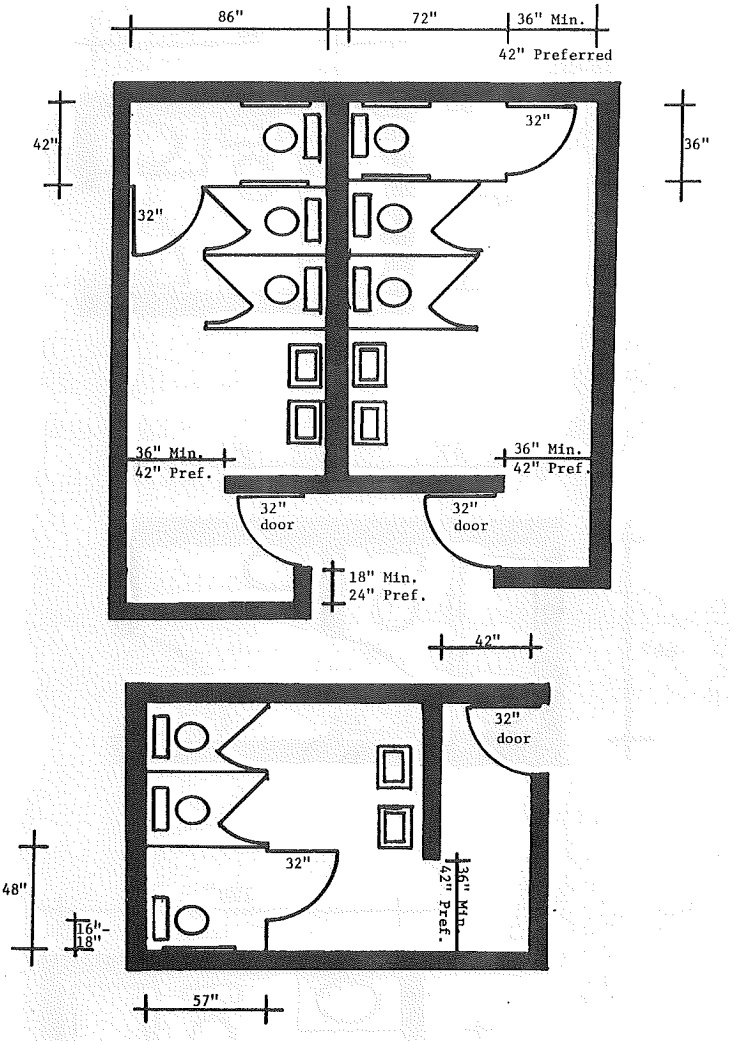
EXAMPLES OF ACCESSIBLE BATHROOM LAYOUTS
FOR RESIDENTIAL LIVING UNITS







EXAMPLES OF ACCESSIBLE TOILET ROOMS



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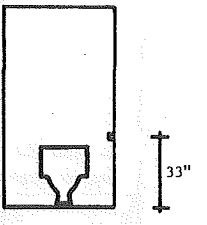
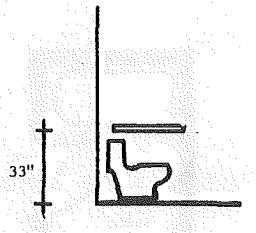
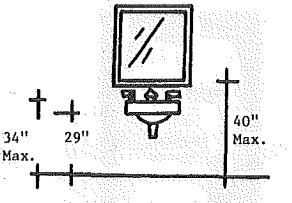
Appendix

ACCESSIBLE TOILET ROOMS

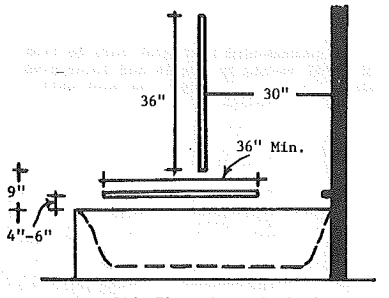


It is recommended that grab bars be from 30 to 42 inches in length and located no more than 12 inches from the back wall.

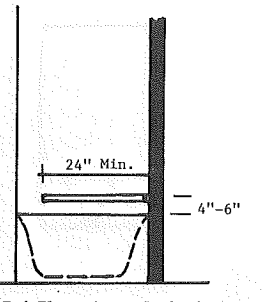




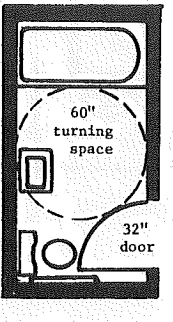
ACCESSIBLE BATHING FACILITIES

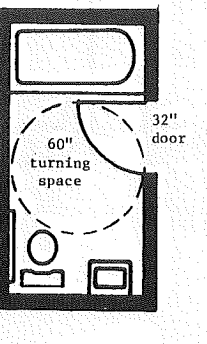


Side Elevation - Bathtub



End Elevation - Bathtub

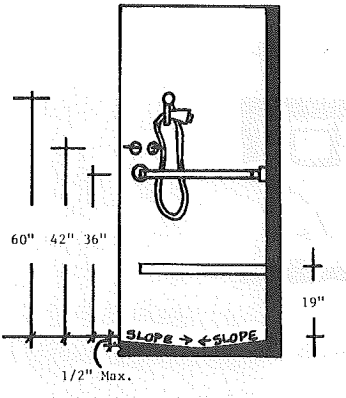




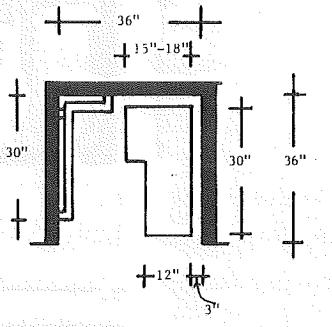
These diagrams are examples of accessible bathrooms which may be used for motels, hotels, hospitals and nursing homes.

Appendix

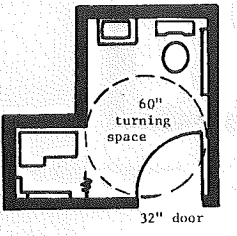
ACCESSIBLE BATHING FACILITIES



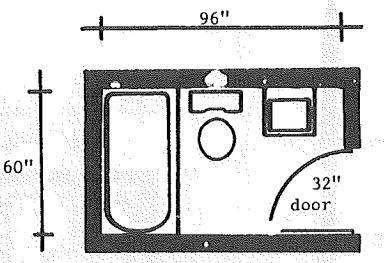
Section View - Shower

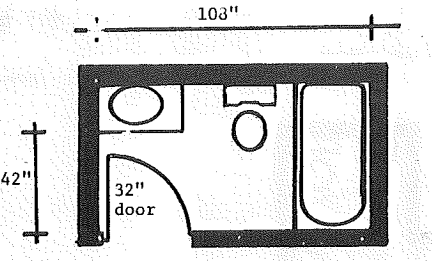


Plan View - Shower



EXAMPLES OF ADAPTABLE BATHROOM LAYOUTS
FOR RESIDENTIAL LIVING UNITS
(not including hotels and motels)



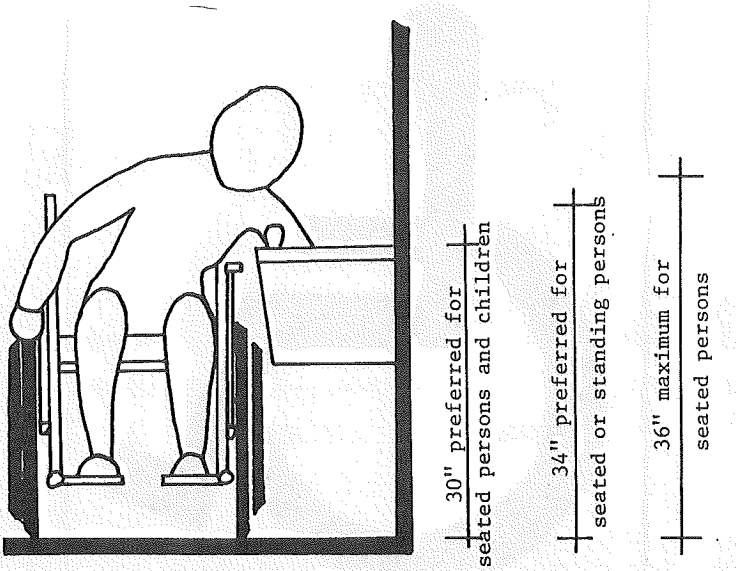


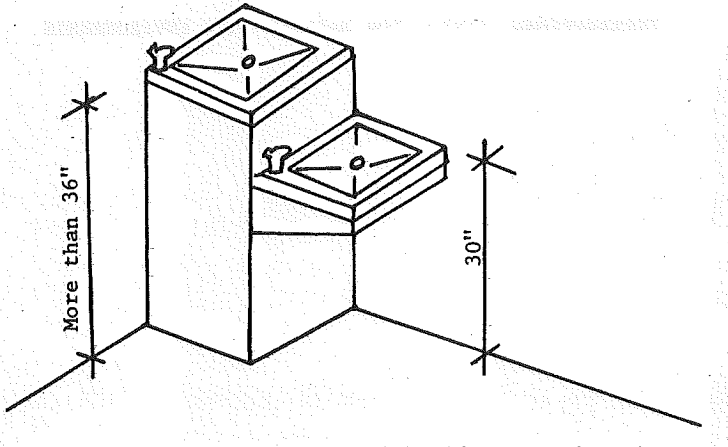
These examples may be modified for accessibility by using outward swinging doors or pocket sliding doors.

Appendix

EXAMPLES OF ACCESSIBLE WATER COOLERS

Note: Conventional floor-mounted water coolers can be serviceable to patrons with functional limilations if a small fountain is mounted on the side of the cooler 30 inches above the floor. Fully recessed water fountains are not recommended and should not be recessed in an alcov unless the alcove is wider than the wheelchair.





Floor-mounted water cooler with side-mounted cooler

INTERNATIONAL SYMBOL FOR BARRIER-FREE ENVIRONMENTS

Appendix

A-52.04 (4) (b) *Lifts for the physically disabled.* The stair-mounted lifting devices, providing interior circulation for the physically disabled, are either of a platform type accommodating the wheelchair and its user or a seat type which requires the person to transfer from the wheelchair.

In new construction, the seat-type lifting device will be acceptable only in private group type occupancies such as, but not limited to, senior citizen centers, fraternal organizations, small churches with less than 100 occupants, and private residences. In remodeled situations where adequate space for other lifting devices is not available, a seat-type lifting device will be acceptable.

The following guidelines should be used for lifting devices provided for interior circulation:

1. If the lifting device is to be located in a required exit stairway, the lifting device, in its open position, cannot infringe upon the required exit width for the floor the stairway serves. To determine the required exit width, refer to the specific occupancy chapters of this code.

2. The department recommends that the building plans submitted for approval indicate the type of lifting device to be used, the location, and the width of the lifting device in its open position.

3. The guidelines of the elevator section of this department require platform lifts to be designed with proper safety devices such as 42-inch high sides and gates, gate locks and contacts, guarding of space under the lift, etc., to provide safety for the public and persons using the lift with aids such as wheelchairs, crutches, braces or canes.

4. Vertical lifts having a travel distance in excess of 56 inches are considered to be elevators and must comply with the requirements for passenger elevators, Wis. Adm. Code chapter Ind 4, Elevator Code.

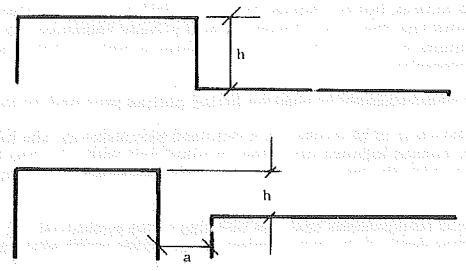
5. After the building plans are approved for the location and use, 3 sets of mechanical drawings for the lifting device must be submitted to the elevator section in accordance with chapter Ind 4, Elevator Code.

   a. Two copies of the elevator application form are required to be submitted along with an examination fee and an inspection fees.

   b. A copy of the building approval letter should accompany the mechanical drawings.

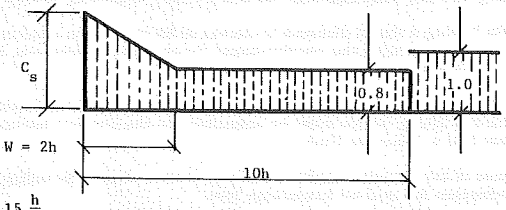
A-53.11 (4) (b) *Increase in roof loads.* The following design provisions may be used to determine the increase in roof loads as required by this section.

ROOF SHAPES



Lower level of multi-level roofs (when upper roof is part of the same building or on an adjacent building not more than 15 feet away).

SNOW LOAD DISTRIBUTIONS AND COEFFICIENTS, LIMITATIONS



$C_s = 15 \frac{h}{g}$

when $15 \frac{h}{g} < 1.0$ use $C_s = 1.0$

when $15 \frac{h}{g} > 3.0$ use $C_s = 3.0$*

W = 2 h

when h < 5 ft use W = 10
h > 15 ft use W = 30

h = difference of roof heights in ft.

g = roof live load in psf [Ind 53.11 (4)]

w = width of drift from higher building in ft.

a = distance between buildings < 15 ft.

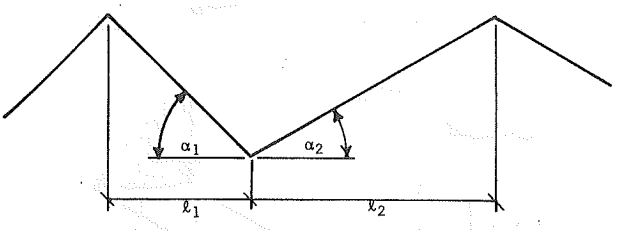
Design upper roof for loads applicable to single-level roofs.

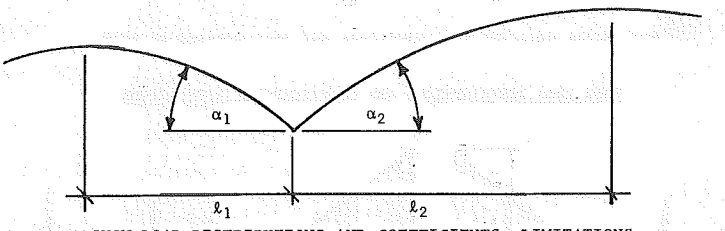
*An upper limit of 3 times the basic roof load has been suggested. It should be noted, however, that higher loads have been observed where an upper roof was very long (measured perpendicularly to the step between the upper and lower roofs). On the other hand, for relatively short upper roofs (say less than 50 ft), a reduction below the calculated C_s value may be judged adequate by the designer.

Appendix

ROOF SHAPES

Valley areas of two-span and multi-span sloped or curved roofs



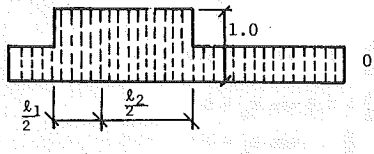


SNOW LOAD DISTRIBUTIONS AND COEFFICIENTS, LIMITATIONS

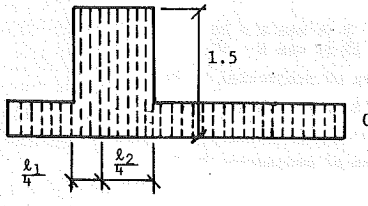
CASE I

$C_s = 1.0$

CASE II

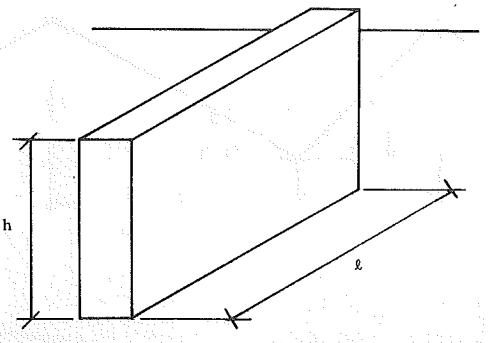


CASE III



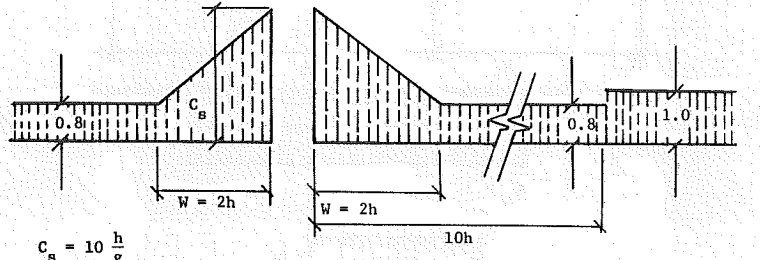
For both α_1 and $\alpha_2 \leq 10^\circ$ use Case I only; otherwise use Case I, II and III

ROOF SHAPES



Roof areas adjacent to projections and obstructions on roofs

SNOW LOAD DISTRIBUTIONS AND COEFFICIENTS, LIMITATIONS



$C_s = 10 \frac{h}{g}$

when $10 \frac{h}{g} < 1.0$ use $C_s = 1.0$

when $10 \frac{h}{g} > 2.0$ use $C_s = 2.0$

when $\ell < \frac{g}{6}$ use $C_s = 1.0$

W = 2 h

when h < 5 ft use W = 10
when h > 15 ft use W = 30

h = height of projection in ft.

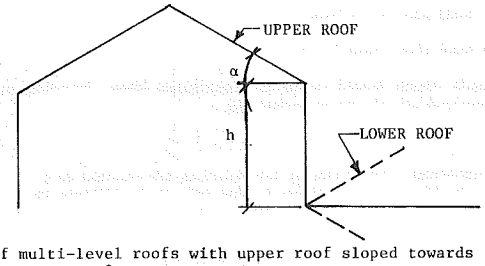
g = roof live load in psf

w = width of snow drift in ft.

ℓ = length of projection in ft.

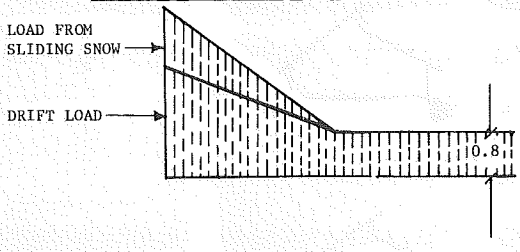
Appendix

ROOF SHAPES



Lower of multi-level roofs with upper roof sloped towards lower roof, where α exceeds 10°.

SNOW LOAD DISTRIBUTIONS AND COEFFICIENTS, LIMITATIONS



Design lower roof for loads applicable to multi-level roof plus a portion of the sliding snow from the upper roof.*

Design upper roof for loads applicable to single-level roofs.

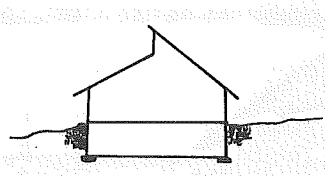
*Where snow is likely to slide onto a lower roof from an upper roof, the lower roof should be designed for the load as provided for multi-level roofs plus an additional load produced by the snow that may slide from the upper roof. It is not possible to provide coefficients for this situation, but the following guide is recommended. Because of the remote probability that both upper and lower roofs will have their full load over the full areas simultaneously when sliding occurs, it may be assumed that the lower roof would be carrying its full load and that sliding of 50% of the total weight of the applicable uniformly distributed snow load from the upper roof would occur.

A-53.15 LOAD COMBINATIONS. It is the intent of this section that the loads specified in sections Ind 53.10 through Ind 53.14 be considered to act in the following combinations, whichever is critical, for the design of the building frame, foundation or structural member:

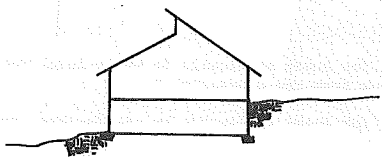
1. Dead load plus live load.
2. Dead load plus wind load.
3. Dead load plus live load plus wind load.
4. Dead load plus live load plus crane loads.

Distribution of live loads which would cause the maximum shear, bending moment or stress in structural members should be investigated.

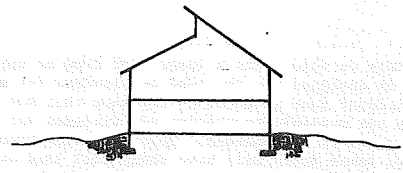
A-53.64 WOOD FOUNDATIONS. The following illustrations are provided to give visual aid to the limitations specified in this rule and to indicate the three typical designs permitted by the rule.



One-story with full basement



One-story with ground floor



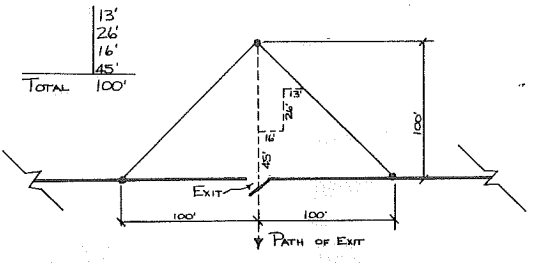
Two-story with wood foundation
(No basement or crawl space)

A-54.02 (4). EXIT DISTANCE. The following illustrations and text are provided to explain the procedure and intent of using the triangulation method of exit distance determination.

Exit travel must terminate at one of the following types of exits:

1. Standard exit to grade (Ind 51.15)
2. Enclosed stairways (Ind 51.17 and 51.18)
3. Horizontal exits (Ind 51.19)
4. Fire escapes (Ind 51.20)

Therefore, exit distance must be measured from one of these exit types. All exits must lead to a street, alley or open court which is connected to a street or alley.



Procedure:

1. Beginning at designated exit type, measure required exit distance (100 feet, for example) at right angles to and parallel with (on both sides) the exit.
2. Connect end points to form the "exit triangle."
3. All areas within the triangle are within the required exit distance when traveling toward or at right angles to the exit.
4. All the interior space of a building must fall within the "exit triangles" formed by using the required exits for the building.
5. When measuring exit distance in stairways, only the horizontal travel distance is included in the determination.

A-57.18 The intent of this section is to apply to floor levels not more than one story below grade (at building).

A-57.18 (6) It is the intent of this subsection that each living unit needs only one means of exit from within the unit and that the entire building be provided with no less than 2 exits.

A-60.19 (4). The standard is available from the National Fire Protection Association, 470 Atlantic Ave. Boston, Massachusetts 02210.

A-60.24 Class A fires are fires in ordinary combustible materials such as wood, cloth, paper, rubber, and many plastics. Class B fires are fires in flammable liquids, gases and greases.

A-60.35 See A-60.24.

A-60.36 (1) (a). See A-60.19 (4).

A-62.25 (1) *Clearance limitations.* The intent is to require the minimum 7 feet 0 inches clearance only in traffic lanes and in all areas normally used by the public to leave and return to their vehicles.

A-63.41 FORM. Copies of the following form (SBD 5315) are available from the Division of Safety and Building, P.O. Box 7969, Madison, Wisconsin 53707. This form may be used to verify compliance with the illumination requirements of this section.

ILLUMINATION BUDGET
CALCULATION FORM
DILHR-SBD-5315 (N.5/78)

SUBMIT 4 COPIES

Department of
INDUSTRY, LABOR AND HUMAN RELATIONS

Safety & Building Division
Box 7946
201 E. Washington Avenue
Madison, Wisconsin 53707

SEE BACK OF SHEET FOR NOTES AND INSTRUCTIONS

PROJECT INFORMATION

Name of Owner	Building Occupancy or Use	Designer or Design Firm
Company	Tenant Name, if any	Street & No.
Street & No.	Building Location, Street & No.	City State & Zip
City State & Zip	City ☐ Village ☐ Town ☐ County	Phone

ALLOWABLE ILLUMINATION BUDGET				INSTALLED ILLUMINATION			
Room or area desig. (1)	Room area (Sq. Ft.) (2)	Allowable watts Per Sq. Ft. Ind 63.41 (3)	Room wattage (4)	Fixture type (5)	No of fix (6)	Watts per fix (7)	Total wattage (8)
				Sheet Totals			
				Building Totals (Final Sheet)			

Signature of designer

Registration Number | Date

(SEAL)

Sheet ____ of ____

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NOTES AND INSTRUCTIONS

1. Fixture schedules must accompany this form, or be shown on the plans, or in the specifications.
2. A completed SB-118, *Plans Approval Application Form*, must accompany these calculations if they are submitted separately from the building plans.
3. The first sheet of this form must be signed and sealed by a Wisconsin registered architect, engineer or electrical designer if the total building volume is greater than 50,000 cubic feet.
4. All electric discharge lighting must meet the minimum power factor requirements of Ind 63.40.
5. Use of form:
   A. Calculations are on an individual room or area basis.
   B. Enter room or area designation in column (1). This should correspond to the designations shown on the building plans.
   C. Calculate the floor area, in Sq. Ft., of the room or area. Enter area in column (2).
   D. Determine the allowable "Watts per Sq. Ft." from Ind 63.41. Enter this value in column (3).
   E. Multiply value in column (2) by value in column (3). Enter product in column (4).
   F. Enter fixture type(s) from fixture schedule in column (5).
   G. Enter number of fixtures of each type, located in the room or area, in column (6).
   H. Enter the wattage for one fixture of that type in column (7).
   I. Multiply value in column (6) by value in column (7). Enter product in column (8).
   J. Total columns (4) and (8), entering sheet totals at the bottom of each sheet, and the total of all sheets at the bottom of the final sheet.
   K. Column (8) building total must be less than, or equal to, the building total in column (4).

Appendix

A-64.20. EQUIPMENT RATINGS AND SAFETY CONTROLS. The department recognizes the following reference standards for the testing and installation of heating and ventilating equipment:

(1) National Fire Protection Association, 470 Atlantic Ave., Boston, Mass. 02210:

(a) OIL-BURNING EQUIPMENT, NFPA No. 31;
(b) NATIONAL FUEL GAS CODE, NFPA No. 54.

(2) American National Standards Institute, Inc., 1430 Broadway, New York, N.Y. 10018:
(a) GAS-FIRED ROOM HEATERS, Vol. 1, ANSI Z21.11.1;
(b) GAS-FIRED LOW PRESSURE STEAM AND HOT WATER BOILERS, ANSI Z21.13;
(c) GAS UNIT HEATERS, ANSI Z21.16;
(d) DOMESTIC GAS CONVERSION BURNERS, ANSI Z21.17;
(e) GAS APPLIANCE PRESSURE REGULATORS, ANSI Z21.18;
(f) AUTOMATIC GAS IGNITION SYSTEMS AND COMPONENTS, ANSI Z21.20;
(g) AUTOMATIC GAS VALVES, ANSI Z21.21;
(h) RELIEF VALVES AND AUTOMATIC GAS SHUTOFF DEVICES FOR HOT WATER SYSTEMS, ANSI Z21.22;
(i) GAS APPLIANCE THERMOSTATS, ANSI Z21.23;
(j) GAS-FIRED DUCT FURNACES, ANSI Z21.34;
(k) GAS FILTERS ON APPLIANCES, ANSI Z21.35;
(l) GAS-FIRED GRAVITY AND FAN TYPE DIRECT VENT WALL FURNACES, ANSI Z21.44;
(m) GAS-FIRED GRAVITY AND FORCED AIR CENTRAL FURNACES, ANSI Z21.47;
(n) GAS-FIRED GRAVITY AND FAN TYPE FLOOR FURNACES, ANSI Z21.48;
(o) GAS-FIRED GRAVITY AND FAN TYPE VENTED WALL FURNACES, ANSI Z21.49;
(p) VENTED DECORATIVE GAS APPLIANCES, ANSI Z21.50;
(q) GAS-FIRED SINGLE FIREBOX BOILERS, ANSI Z21.52;
(r) GAS-FIRED HIGH PRESSURE STEAM AND HOT WATER BOILERS (Inputs not over 400,000 Btu/hour), ANSI Z21.59;
(s) DECORATIVE GAS APPLIANCES FOR INSTALLATION IN VENTED FIREPLACES, ANSI Z21.60;
(t) DIRECT GAS-FIRED MAKE-UP AIR HEATERS, ANSI Z83.4;
(u) GAS-FIRED HEAVY DUTY FORCED AIR HEATERS, ANSI Z83.5;
(v) GAS-FIRED INFRARED HEATERS, ANSI Z83.6.

(3) Underwriters' Laboratories, Inc., 207 East Ohio St., Chicago, Illinois 60611:
(a) OIL BURNERS, UL 296;
(b) CONTROLS, PRIMARY SAFETY FOR GAS- AND OIL-FIRED APPLIANCES, UL 372;
(c) HEATING APPLIANCES, ELECTRIC, UL 499;
(d) HEAT PUMPS, UL 559;
(e) OIL-FIRED BOILER ASSEMBLIES, UL 726;
(f) OIL-FIRED CENTRAL FURNACES, UL 727;
(g) HEATERS, AIR, AND DIRECT-FIRED HEATERS, OIL-FIRED, UL 733;
(h) COMMERCIAL-INDUSTRIAL GAS HEATING EQUIPMENT (Inputs over 400,000 Btu/hour), UL 795;
(i) HEATERS, ELECTRIC, FOR USE IN HAZARDOUS LOCATIONS; Class I, Groups A, B, C and D, and Class II, Groups E, F and G, UL 823;
(j) ELECTRIC BOILERS, UL 834;
(k) HEATERS, ELECTRIC DRY BATH, UL 875;
(l) FAN COIL UNITS AND ROOM FAN HEATER UNITS, UL 883;
(m) HEATERS, ELECTRIC AIR, UL 1025;
(n) HEATING EQUIPMENT, ELECTRIC BASEBOARD, UL 1042;
(o) HEATING EQUIPMENT, ELECTRIC CENTRAL AIR, UL 1096.

Note: The table on the following page is a tabular summary of UL 296 and UL 795.

TABULAR SUMMARY UL STANDARD 296 AND UL STANDARD 795

	OIL BURNERS UL 296				COMMERCIAL/INDUSTRIAL GAS UL 795				
					Mechanical Draft Burners				
FUNCTION/BURNER INPUTS	3 GPH 400,000 Btu or less	7 GPH 1 million Btu or less	20 GPH 3 million Btu or less	Over 20 GPH 3 million Btu	Over 400,000 to 2,500,000	Over 2,500,000 to 5,000,000	Over 5,000,000 to 12,500,000	Over 12,500,000	ATM Draft
Prepurge timing	--	--	--	--	4	4	4	4	90 sec[3]
Air changes	--	--	--	--	4	4	4	4	--
Interlock Controls (Recycle)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Proven combustion air	8	8	8	8	Yes	Yes	Yes	Yes	--
Valve seal overtravel[9]	--	--	--	--	--	Optional	Yes	Yes	13
Low gas pressure	--	--	--	--	--	Yes 20	Yes 20	Yes 20	13
High gas pressure	--	--	--	--	--	Yes 20	Yes 20	Yes 20	13
Low fire start	11	11	11	11	11	11	11	11	13
High limit (press. or temp.)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Low water cutoff	Boilers[21]	Boilers[21]	Boilers[21]	Boilers[21]	Boilers	Boilers	Boilers	Boilers	13
Pilot - Intermittent	Optional	Optional	Optional	--	Optional	Optional	Optional	Optional	12
Pilot - Interrupted	19	19	19	Yes[5]	Optional	Optional[2]	Optional[2]	Optional[2]	2, 10
Direct spark ignition	Yes	Yes	Yes	5	--	--	--	--	--
System & sequence approved safety control	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Approved safety shutoff valves (SSOV)	IN	BURNER	DESIGN	--	Yes[14]	Yes[14]	Yes[14]	Yes[14]	Yes[13, 14]
No vent valve	--	--	--	--	--	--	--	Yes	13
Pilot valve	18	18	18	Yes	Yes[5]	Yes	Yes	Yes	Yes
Proved pilot	Optional	Optional	Optional	Yes	Yes	Yes	Yes	Yes	Yes
Trial for pilot	17	17	17	15 sec	15 sec	10 sec	10 sec	10 sec	13
Trial for main flame	90 sec[2, 17]	30 sec[2], 17	15 sec[2], 17	10/30 sec[7]	15 sec[22]	10 sec	10 sec	10 sec	13
Flame failure response time	90 sec[17]	4 sec max[16, 17]	4 sec max[15, 17]	4 sec max	4 sec max	4 sec max	4 sec max	2 sec max	13
Valve closing time (max.)	23	23	23	23	5 sec max	1 sec max	1 sec max	1 sec max	13
Supervise main flame	17	17	17	Yes	--	Yes[2]	Yes[2]	Yes[2]	2, 10
Action on flame failure	Recycle optional[1]	1	1	Lockout or recycle	Lockout or recycle[6]	Lockout	Lockout	Lockout	13
Action on limit open	Close SSOV	Close SSOV	Close SSOV	Close SSOV	Close SSOV	Close SSOV	Close SSOV	Close SSOV	13

See following page for footnotes.

Appendix

FOOTNOTES TO TABULAR SUMMARY UL STANDARD 296 AND UL STANDARD 795:

SSOV=Safety shutoff valve.

[1]May relight if ignition is re-energized within 0.8 sec. See 15 and 16.

[2]Where intermittent pilot is desired, it is allowable to switch from pilot detector to main flame detector if main flame detector responds to main flame only.

[3]Without shutters, no prepurge required.

[4]Options (whichever is chosen, a minimum of 4 air changes must be provided): 30 sec at high fire rate; OR
60 sec at ½ high fire rate; OR
90 sec at ⅓ high fire rate.

[5]With 2-stage lightoff, direct ignition is permitted if first stage is 20 gph or less (requirements for 20 gph or less apply). Pilot is required if igniting more than 20 gph.

[6]Lockout on interrupted pilot applications; recycle on intermittent pilot applications.

[7]10 sec for distilllate fuel (No. 1 or No. 2); 30 sec for residual fuel (No. 4, 5, 6).

[8]Conventional type pressure burner—none needed. Needed for applications with combustion air supply separate from oil supply.

[9]Valve seal overtravel switch can be wired into either the start circuit or pre-ignition interlock circuit (if provided).

[10]Interrupted pilot over 2.5 million Btuh if modulating or high/low firing rate. Otherwise over 5 million Btuh.

[11]If low fire start is not proved, UL will test for smooth lightoff at high fire.

[12]Intermittent up to 5 million Btuh unless firing rate control is over 2,500,000 Btuh.

[13]Requirements same as mechanical draft burners.

[14]See Table 1 at end of footnotes for main gas valves.

[15]Up to 15 sec is permitted if intermittent ignition is employed, or if the ignition system is re-energized in not more than 0.8 sec after flame is extinguished.

[16]Up to 30 sec is permitted if intermittent ignition is employed, or if the ignition system is re-energized in not more than 0.8 sec after flame is extinguished.

[17]If proved pilot igniter is used, timings for over 20 gal flame safeguard control may be applied.

[18]Required for electrically ignited, gas-piloted systems.

[19]Interrupted pilot may be required if using flame safeguard control with a proved pilot. Otherwise, interrupted pilot is optional.

[20]Safety shutdown by this limit can be accomplished either by manual reset limits or in the programmer limit circuit.

[21]Required on boilers fired by oil burners—not a requirement of UL 296.

[22]If intermittent pilot is used, no main burner flame-establishing period is required.

[23]If a separate oil valve is used, it must close within 5 sec max when de-energized.

TABLE 1—AUTOMATIC MAIN GAS SAFETY SHUTOFF VALVES (SSOV) FOR MECHANICAL OR ATMOSPHERIC BURNERS—UL 795 REQUIREMENTS, EFFECTIVE OCTOBER 1, 1974

	400,000 to 2,500,000 BTUH	Over 2,500,000 to 5,000,000 BTUH	Over 5,000,000 to 12,500,000 BTUH	Over 12,500,000 BTUH
Main Valve Requirement	One valve rated for safety shut-off services (SSOV). Closing time 5 sec.	Two SSOV's in series, or one SSOV of the type incorporating a valve seal over-travel interlock. Closing time 1 sec max.	Two SSOV's in series, one of which incorporates a valve seal over-travel interlock. Closing time 1 sec max.	Two SSOV's in series, one of which incorporates a valve seal over-travel interlock. When fuel gas has specific gravity of less than 1.0, include a N.O. ¾ inch or larger electrically operated valve in a vent line between the two SSOV's.

APPENDIX B

The material contained in this appendix is for clarification purposes only. The information is for the benefit of fire department inspectors making inspections pursuant to s. 101.14 (2) (b), Stats. (See s. Ind 50.02 Special Note #2)

Responsibility	Rule No.	Topic of Rule	Subject of Investigation
**	51.047	Fire Rated Door Assemblies in Fire Rated Construction	1. Maintenance 2. Operation 3. Unobstructed
**	51.047 (6)	Door Closing Devices (Fire Doors)	1. Maintenance 2. Use of Fusible Link
**	51.15 (2)	Exit Doors	1. Maintenance 2. Unobstructed
**	51.15 (3)	Exit Hardware	1. Proper Type 2. Signage 3. Security Locks Open During Occupied Periods
**	51.161	Handrails	1. Maintenance 2. Replacement, when Needed
**	51.162	Guardrails	1. Maintenance 2. Replacement, when Needed
*	51.20	Fire Escapes	1. Maintenance
*	51.21	Standpipe & Hose Systems	1. Correct Installation 2. Maintenance
*	51.22	Fire Extinguishers	1. Proper Type 2. Location 3. Maintenance 4. Operational
*	51.23	Automatic Sprinklers	1. Water Supply 2. Obstruction of Sprinkler Heads 3. Location of Siamese Connection 4. Accessibility of Siamese Connection
*	51.24 (5)	Fire Alarm Systems	1. Operation & Testing 2. Location of Pull Stations
**	52.01	Fire Prevention, Detection and Suppression (High Rise Construction)	1. Proper Installation 2. Maintenance 3. Operation & Testing
**	52.07	Fireplaces and Fireplace Stoves	1. Proper Installation 2. Operation 3. Maintenance

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Responsibility	Rule No.	Topic of Rule	Subject of Investigation
*	52.20	Electrical Work	1. Electrical Check List
*	52.21	Location and Maintenance of Exits	1. Maintenance
*	53.63 (1) (a) - (c)	Firestops	1. Maintenance
*	54.06	Exit Doors, Exit Lights	1. Maintenance of Illumination
*	54.07	Passageways	1. Maintain in Clear, Unobstructed Condition
*	54.11	Lighting	1. Maintenance of Illumination
*	54.14	Isolation of Hazards	1. Maintenance
*	54.15	Standpipes	1. Maintenance
*	54.16	Automatic Sprinklers	1. Water Supply 2. Obstruction of Sprinkler Heads
*	54.17	Fire Alarm	1. Maintenance 2. Location of Pull Stations
*	54.20	No Smoking Signs	1. Proper Posting
*	54.50 (3)	Isolation of Hazards	1. Maintenance of Enclosure
*	55.07	Number and Location of Exits	1. Maintenance of Illumination
*	55.08	Type of Exits	1. Maintenance 2. To be Clear and Unobstructed
*	55.09	Stairways	1. Maintenance 2. To be Clear and Unobstructed
*	55.10	Exit Doorways and Doors	1. See Ind 51.15
*	55.11	Exit Lights	1. Maintenance of Illumination
*	55.12	Required Exit Width	1. To be Unobstructed
*	55.14	Width or Aisles	1. To be Unobstructed
*	55.15	Lobbies and Foyers	1. To be Clear and Unobstructed
*	55.17	Obstructions	1. Maintenance
*	55.24	Automatic Smoke Outlets	1. Operation
*	55.29	Isolation of Hazards	1. Maintenance of Enclosure

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Responsibility	Rule No.	Topic of Rule	Subject of Investigation
*	55.33	Standpipes	1. Correct Installation 2. Maintenance
*	55.34	Fire Extinguishers	1. Proper Type 2. Location 3. Maintenance 4. Operational
*	55.35	Automatic Sprinklers	1. Water Supply
*	55.43	Openings	1. Operational 2. Maintenance
*	55.45	Relief Outlets	1. Maintenance
*	55.46	Electrical Wiring	1. Electrical Check List
*	55.50	Maintenance	1. Elimination of Fire Hazard
*	55.52	Exits	1. Unobstructed
*	55.53	Aisles and Passageways	1. Unobstructed
**	55.57	Inspection	1. Proper Erection 2. Maintenance
**	55.58	Electrical Installations	1. Electrical Check List
*	55.59	Fire Extinguishing Equipment	1. Proper Type 2. Location 3. Maintenance 4. Operational
*	55.60	Illumination of Exit Lights and Signs	1. Maintenance of Illumination
*	55.61	Boiler and Furnace Room	1. Maintenance of Enclosure
*	56.06	Exit	1. Maintenance
*	56.06 (6)	Exit Lights	1. Maintenance of Illumination
*	56.07	Required Exit Width	1. To be Unobstructed
*	56.09	Passageways	1. To be Unobstructed 2. Maintenance of Exit Doors
*	56.15	Isolation of Hazards	1. Maintenance of Enclosure
*	56.18	Fire Extinguishers	1. Proper Type 2. Location 3. Maintenance 4. Operational
*	56.19	Fire Alarms	1. Operation of System 2. Location of Pull Stations
*	56.20	Standpipes	1. Correct Installation 2. Maintenance

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Responsibility	Rule No.	Topic of Rule	Subject of Investigation
*	56.34	Exit Doors and Lights	1. Maintenance of Doors 2. To be Clear and Unobstructed
*	56.38	Fire Alarms	1. Operational 2. Testing 3. Location of Pull Stations
*	56.46	Fire Alarms	1. Operational 2. Testing 3. Location of Pull Stations
**	57.015	Basement and Ground Floor Provision	1. Proper Installation 2. Maintenance
*	57.07	Number, Location and Type of Exits	1. Maintenance 2. Proper Exit Hardware
*	57.10	Passageways	1. To be Clear and Unobstructed 2. Maintenance of Exit Doors
*	57.12	Steps, Stairs & Shafts	1. Maintenance 2. To be Clear and Unobstructed 3. Maintenance of Illumination
*	57.20	Isolation of Hazards	1. Maintenance of Enclosure
*	57.21	Standpipes	1. Correction Installation 2. Maintenance
*	57.22	Fire Alarms	1. Operation of Systems 2. Location of Pull Stations
*	57.24	Directions for Escape	1. Maintenance of Illumination and Exit Lights
**	57.27	Smoke Detection	1. Correct Installation 2. Maintenance of Detectors
**	60.12	Doors	1. Joint Inspection Made
*	60.14	Access to Attic and Roof	1. Accessible Scuttle Opening
*	60.16	Electrical Work	1. Electrical Check List
	60.19	Operating Features	1. Owner Responsibility
**	60.21	Exiting	1. Joint Inspection Made
*	60.22	Passageways	1. To be Cleared and Unobstructed 2. Maintenance
**	60.25	Hazardous Areas	1. Joint Inspection Made

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Responsibility	Rule No.	Topic of Rule	Subject of Investigation
**	60.31	Exiting	1. Joint Inspection Made
*	60.32	Required Exit Width	1. Width to be Unobstructed
**	60.33	Passageways	1. Joint Inspection Made
**	60.34	Stair and Shaft Enclosure	1. Joint Inspection Made
*	60.35	Fire Extinguisher	1. Proper Type 2. Location 3. Maintenance 4. Operational
*	60.36	Fire Alarm System	1. Operation & Testing 2. Location of Pull Station
**	60.37	Hazardous Areas	1. Joint Inspection Made
**	60.38	Exit and Emergency Lighting	1. Joint Inspection Made
*	61.10 (1) (h)	Construction Building and Site	1.Maintenance
*	61.10 (3)	Smoke Separation	1. Maintenance
*	61.12	Exiting and Doors	1. To be Clear and Unobstructed 2. Maintenance
*	61.14 (3)	Smoke Detection	1. Correct Installation 2. Maintenance of Detectors
*	61.18 (4)	Ramp Requirements	1. Maintenance
*	61.24	Heating and Ventilating	1. Maintenance
*	61.25	Electrical	1. Electrical Check List
*	62.26	Number, Location & Type of Pedestrian Exits	1. Maintenance
*	62.29	Illumination and Exit Lights	1. Maintenance of Illumination and Exit Lights
*	62.30	Fire Protection	1. Correct Installation of Standpipes
*	62.32	Isolation of Hazards	1. Maintenance
*	62.46	Fire Hazards (in tents)	1. Elimination of Fire Hazard
*	62.47	Exits (in tents)	1. Maintenance
**	62.49	Electrical Installation (in tents)	1. Proper Installation
*	62.50	Fire Extinguishing Equipment (in tents)	1. Proper Type 2. Location 3. Maintenance 4. Operational

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Responsibility	Rule No.	Topic of Rule	Subject of Investigation
*	62.51	Illumination, Exit Lights & Signs (in tents)	1. Maintenance of Illumination
*	64.08	Exhaust Ventilation System	1. Maintenance
*	64.09	Combustion Air Intakes	1. Maintenance
*	64.16	Air Cleansing Devices	1. Maintenance
*	64.19	Location of Outside Air Intakes and Exhausts for Mechanical Ventilating Systems	1. Maintenance
**	64.23 (5) (a) (b)	Piping	1. Installation 2. Maintenance
*	64.42	Fire Dampers and Fire Curtains	1. Maintenance
*	64.46	Masonry Chimneys	1. Maintenance
*	64.47	Metal Smokestacks	1. Maintenance
*	64.48	Factory-Built Chimneys and Gas Vents	1. Maintenance
*	64.49	Smoke Pipes	1. Maintenance
*	64.63 (2)	Garages	1. Maintenance
*	64.67 (5) (e) (f) (g)	Kitchens	1. Maintenance

See s. Ind 50.02—Special Note #2

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