

## WINDOW CLEANING APPLICABLE VARIANCES

<u>NUMBER</u>	<u>TITLE</u>	<u>DATE</u>
AV 64	Periodic Replacement of Suspension Wire Rope For Window Cleaning and Light Building Maintenance	May 9, 1978
AV 76	Elevating Work Platforms Boom-supported	April 9, 1986
AV 77	Self Propelled Elevating Work Platform	June 6, 1986
AV 82	Manually Propelled Elevating Work Platform	June 6, 1986
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AV 111	Protection of Persons Employed at Window Cleaning Working from Elevating Work Platforms	December 18, 1998
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**PROTECTION OF PERSONS EMPLOYED AT WINDOW CLEANING –  
STRUCTURAL REQUIREMENTS, EQUIPMENT AND PROCEDURES  
PERIODIC REPLACEMENT OF SUSPENSION WIRE ROPE FOR WINDOW  
CLEANING AND LIGHT BUILDING MAINTENANCE SCAFFOLDS  
(AV 64)**

**Part 21 of Title 12 of the Official Compilation of Codes, Rules and Regulations of the State  
of New York (cited as 12NYCPR 21) Code Rule Paragraph 21.9(b) (3) as amended, effective  
October 1, 1966**

**DATED MAY 9, 1978**

The Industrial Commissioner, pursuant to Section 30 of the Labor Law has reviewed the provisions of Paragraph 21.9(b) (3), of Industrial Code Rule 21; and

In conjunction with this review, the Industrial Commissioner has also reviewed the case history of variance petition File No. 81-78, relative t the aforementioned Industrial Code Rule Paragraph, including the special approvals for Window Cleaning and Light Building Maintenance Scaffolds as issued by the Board of Standards and Appeals as well as the contentions a proposals of the Petitioner in this prior petition; and

Upon these collective records, the Industrial Commissioner finds that the issuance of an applicable variance would not violate the spirit and purpose of Industrial Code Rule Paragraph 21.9(b) (3) and would secure a safe condition as contemplated by said paragraph.

**APPLICABLE VARIANCE**

A variance from the condition of approval requiring the periodic replacement of suspension wire rope for window cleaning and light building maintenance scaffolds as contained in special approvals previously granted by the former Board of Standards and Appeals; such approvals having been required by Subdivision 21.9(c) of Part 21 of Title 12 of the Official Compilation of Codes, Rules and Regulations of the State of New York (cited as 12NYCRR 21) as amended, effective October 1, 1966; is hereby GRANTED subject to the following Conditions:

**THE CONDITIONS**

1. The roof garages or other areas used to store the scaffolds shall be used for no other purpose.
2. As part of the program of maintenance procedures, the suspension wire ropes shall be visually inspected at least once a month. Records of such inspections shall be maintained.
3. Upon replacement of suspension wire ropes, new metal data tags shall be provided.
4. The suspension wire ropes shall be subject to non-destructive testing at least once a year by an agency or laboratory acceptable to the Industrial Commissioner. The initial test shall be made so reports of test results are available to the Industrial Commissioner on the date which suspension wire rope replacement would be required by the conditions of the special approval. Records of such annual tests shall be available to the Industrial Commissioner upon request.

5. The suspension wire ropes shall be replaced in accordance with recommendations of the testing agency or laboratory. Any indicated loss in breaking strength of any suspension wire rope in excess of ten (10) percent of the breaking strength shall be cause for replacement of that wire rope.
6. The section of each wire rope forming the connection to the scaffold platform shall be removed and a new connection shall be formed annually. Such operation shall be performed immediately following the required non-destructive testing.

This variance shall apply and shall be applied by all enforcement officials to all persons and in all places to which Industrial Code Rule Paragraph 21.9(b) (3) applies, with the same force and effect as if this variance were duly granted upon separate petition for the use and benefit of every person affected by said paragraph.

**PROTECTION OF PERSONS EMPLOYED IN CONSTRUCTION AND DEMOLITION  
WORK**

**PROTECTION OF PERSONS EMPLOYED AT WINDOW CLEANING –  
STRUCTURAL REQUIREMENTS, EQUIPMENT, AND PROCEDURES**

**ELEVATING WORK PLATFORMS BOOM-SUPPORTED**

**AV 76**

**Part 23 of Title 12 of the Official Compilation of Codes, Rules and Regulations of the State  
of New York (cited as 12NYCRR 23) Code Rule Subdivision 21.9(a) and Code Rule  
Paragraph 23-5.1(c) (1) as amended, effective February 1, 1975**

**DATED APRIL 9, 1986**

The Commissioner of Labor acknowledges that contemporary architecture is placing increased functional and aesthetic emphasis on designs of atriums and appendages which are increasingly difficult to gain access to for the purpose of window cleaning; and

The Commissioner of Labor has reviewed the provisions of Paragraph 21.9(a) of Industrial Code Rule 21 and Paragraph 23-5.1(c) (1) of Industrial Code Rule 23; and

In conjunction with this review, the Commissioner of Labor has also reviewed ANSI A92.5-1980 “American National Standard for Boom-Supported Elevating Work Platforms”; and

Upon these collective records, the Commissioner of Labor has determined that the issuance of an applicable variance from the requirements of Industrial Code Rule Subdivision 21.9(a) and Paragraph 23-5.1(c) (1) would not violate the spirit and purpose of said rules and would insure proper design and thereby enhance the public safety as contemplated by said rules..

**APPLICABLE VARIANCE**

A variance from Subdivision 21.9(a) of Part 21 and Paragraph 23-5.1(c) of Part 23 of Title 12 of the Official Compilation of Codes, Rules and Regulations of the State of New York (cited as 12NYCPR 21 and 12NYCRR 23) as amended effective October 1, 1966 and February 1, 1975 respectively, is hereby GRANTED for Boom-Supported Elevating Work Platforms to be considered for approval without being able to bear four times the maximum weight required to be dependent therefrom or placed thereon when in use subject to the following Conditions:

**CONDITIONS**

1. Each manufacturer of boom supported elevating work platforms shall secure approval of such devices as required by Code Rule Subdivision 23-5.2.
2. In application for approval of such devices, the manufacturer of the device shall submit certification by a Professional Engineer licensed to practice in New York State certifying that the following sections and subdivisions of ANSI A92.5 - 1980 - American National Standard for Boom-Supported Elevating Work Platforms have been complied with and that the design and manufacture of the equipment complies with the following indicated safety factors:
  - a. Section 3 - Subdivision 3.2.3, Structural Safety Factor

b. Section 4 - Test Requirements

c. Section 7 - Subdivision 7.1 - Safety Factors in Design of Elevating Assembly

This variance shall apply and shall be applied by all enforcement officials to all persons and in all places to which Industrial Code Rule Subdivision 21.9(a) and Paragraph 23-5.1(c) (1) apply to Boom-Supported Elevating Work Platforms with the same force and effect as if this variance were duly granted upon separate petition for the use and benefit of every person so affected by said Paragraph.

**PROTECTION OF PERSONS EMPLOYED IN CONSTRUCTION AND DEMOLITION  
WORK**

**PROTECTION OF PERSONS EMPLOYED AT WINDOW CLEANING –  
STRUCTURAL REQUIREMENTS, EQUIPMENT AND PROCEDURES**

**SELF PROPELLED ELEVATING WORK PLATFORM**

**(AV 77)**

**Part 23 of Title 12 of the Official Compilation of Codes, Rules and Regulations of the State  
of New York (cited as 12NYCRR 23) Code Rule Paragraph 23-5 - 1(c) as amended, effective  
February 1, 1975)**

**DATED JUNE 6, 1986**

The Commissioner of Labor has reviewed the provisions of Paragraph 21.9 (a) of Industrial Code Rule 21 and of Subdivision 23-5.1(c) of Industrial Code Rule 23; and

In conjunction with this review, the Commissioner of labor has also reviewed ANSI A92.6-1979 “American National Standard for Self-Propelled Elevating Work Platforms” and has reviewed previous approvals as issued by the former Board of Standards and Appeals for elevating; or telescoping; work platforms; and

In conjunction with this review, the Commissioner of Labor has also reviewed established requirements for electrical interlocks in Approvals issued by the former Board of Standards and Appeals to insure that outriggers are in place prior to use of an elevating; or telescoping; work platform; and

Upon these collective records, the Commissioner of Labor finds that the issuance of an applicable variance from the requirements of Industrial Code Rule Subdivision 21.9(a) and Paragraph 23-5.1(c) would not violate the spirit and purpose of said rules and would insure proper design and thereby enhance the public safety as contemplated by said rules.

**APPLICABLE VARIANCE**

A variance from Subdivision 21.9(a) of Part 21 and Paragraph 23-5.1(c) of Part 23 of Title 12 of the Official Compilation of Codes, Rules and Regulations of the State of New York (cited as 12NYCPR 21 and 12NYCRR 23) as amended effective October 1; 1966 and February 1, 1975 respectively, is hereby GRANTED permitting Self-Propelled Elevating Work Platforms to be considered for approval without being able to bear four times the maximum weight required to be dependent therefrom or placed thereon when in use subject to the following Conditions:

**CONDITIONS**

1. Each manufacturer of Self-Propelled Elevating Work Platforms shall secure approval of such devices as required by Code Rule Subdivision 23-5.2.
2. In application for approval of such devices, the manufacturer shall submit certification by a Professional Engineer licensed to practice in the State of New York to the effect that the following sections and subdivisions of ANSI A92.6-1979 are complied with and the design of the equipment provides for the indicated safety factors:
  - a. Section 3 - Subdivision 3.2.2 - Structural safety Factor

- b. Section 3 - Subdivision 3.2.3 - Production Load Test
  - c. Section 4 - Subdivision 4.1 - Stability Tests
  - d. Section 6 — Subdivision 6.1.1 - Safety Factors
  - e. Section 6 — Subdivision 6.1.2 - Safety Factors
3. In application for approval of such devices, the manufacturer shall submit certification by a Professional Engineer licensed to practice in the State of New York to the effect that the following requirements are complied with and that the provisions of ANSI A92.6 - 1979, Section 4, Subdivision 4.4. regarding inter locks are complied with -
- a. The platform shall be stable against overturning in a 25 mile per hour wind with the platform in its most elevated position on level ground; and with the live load located in its most adverse position.
  - b. The platform shall be stable against overturning with the platform in its most elevated position; on level ground; and with the live load in its most adverse position when subjected to a horizontal force of 150 pounds or 15 per cent of the rated platform load (which ever is greater) applied to the platform in the direction of least overturning stability.
4. For elevating; or telescoping; work platforms presently bearing New York State Approval, such approval will be amended by the Commissioner of labor upon receipt of data by a licensed Professional Engineer licensed to practice in the State of New York confirming compliance with Conditions 2 and 3 above.

The variance shall apply and shall be applied by all enforcement officials to all persons and in all places to which Industrial Code Rule Subdivision 21.9(a) and Paragraph 23-5.1(c) apply to Self-Propelled Elevating Work Platforms with the same force and effect as if this variance were duly granted upon separate petition for the use and benefit of every person affected by said Paragraph.

**PROTECTION OF PERSONS EMPLOYED AT WINDOW CLEANING –  
STRUCTURAL REQUIREMENTS, EQUIPMENT AND PROCEDURES  
PROTECTION OF PERSONS EMPLOYED IN CONSTRUCTION AND DEMOLITION  
WORK**

**MANUALLY PROPELLED ELEVATING WORK PLATFORM  
(AV 82)**

**Part 23 of Title 12 of the Official Compilation of Codes, Rules and Regulations of the State  
of New York (cited as 12NYCRR 23) Code Rule Paragraph 23-5.1(c) as amended, effective  
February 1, 1975**

**DATED JUNE 6, 1986**

The Commissioner of Labor has reviewed the provisions of Paragraph 21.9(a) of Industrial Code Rule 21 and of Subdivision 23-5.1(c) of Industrial Code Rule 23; and

In conjunction with this review, the Commissioner of Labor has also reviewed ANSI A92.3 - 1980 “American National Standard for Manually Propelled Elevating Work Platforms” and has reviewed previous approvals as issued by the former Board of Standards and Appeals for elevating; or telescoping; work platforms; and

In conjunction with this review, the Commissioner of Labor has also reviewed established requirements for electrical interlocks in Approvals issued by the former Board of Standards and Appeals to insure that outriggers are in place prior to use of and elevating; or telescoping; work platform; and

Upon these collective records, the Commissioner of Labor finds that the issuance of an applicable variance from the requirements of Industrial Code Rule Subdivision 21.9(a) and Paragraph 23-5.1(c) would not violate the spirit and purpose of said rules and would insure proper design and thereby enhance the public safety as contemplated by said rules

**APPLICABLE VARIANCE**

A variance from Subdivision 21.9(a) of Part 21 and Paragraph 23-5.1(c) of Part 23 of Title 12 of the Official Compilation of Codes, Rules and Regulations of the State of New York (cited as 12NYCRR 21 and 12NYCRR 23) as amended effective October 1, 1966 and February 1, 1975 respectively, is hereby GRANTED permitting Manually Propelled Elevating Work Platforms to be considered for approval without being able to bear four times the maximum weight required to be dependent therefrom or placed thereon when in use subject to the following Conditions:

**CONDITIONS**

1. Each manufacturer of Manually Propelled Elevating Work Platforms shall secure approval of such devices as required by Code Rule Subdivision 23-5.2.
2. In application for approval of such devices, the manufacturer shall submit certification by a Professional Engineer licensed to practice in the State of New York to the effect that the following sections and subdivisions of ANSI A92.3 - 1980 are complied with and the design of the equipment provides for the indicated safety factors:

- a. Section 4 - Subdivision 4.2.2 - Structural Safety Factor
  - b. Section 5 - Subdivision 5.1 - Stability on Level Surfaces
  - c. Section 5 - Subdivision 5.2.2 - Stability on Inclined Surfaces
  - d. Section 7 - Subdivision 7.1 - Safety Factors in Design of Elevating Assembly
3. In application for approval of such devices, where such devices are to be used on the exterior of buildings or where subject to wind load, the manufacturer shall submit certification by a Professional Engineer licensed to practice in the State of New York to the effect that the platform is stable against overturning in a 25 mile per hour wind with the platform in its most elevated position and with the live load located in its most adverse position. In any mathematical calculation of stability, the applied wind load shall be considered as acting on the projected area of both windward and leeward frames of the structures as well as any additional surfaces subject to wind load.
  4. Where stability of a power elevated platform under wind load is dependent upon outriggers, such outriggers shall be interlocked to assure that they are properly positioned prior to elevating the platform.
  5. For elevating; or telescoping; work platforms presently bearing New York State Approval, such approval will be amended by the Commissioner of Labor upon receipt of data by a Professional Engineer licensed to practice in the State of New York confirming compliance with the conditions above.

This variance shall apply and shall be applied by all enforcement officials to all persons and in all places to which Industrial Code Rule Subdivision 21.9(a) and Paragraph 23-5.1(c) apply to Manually Propelled Elevating Work Platforms with the same force and effect as if this variance were duly granted upon separate petition for the use and benefit of every person affected by said Paragraph.

**PROTECTION OF PERSONS EMPLOYED AT WINDOW CLEANING –  
STRUCTURAL REQUIREMENTS, EQUIPMENT AND PROCEDURES**

**WORKING FROM POWERED PLATFORMS  
(AV 110)**

**Part 21 of Title 12 of the Official Compilation of Codes, Rules and Regulations  
of the State of New York (Cited as 12NYCRR 21) Code Rule Section 21.9**

**Subdivision (c) as Amended Effective October 1, 1966**

**DATED JANUARY 27, 1999**

Pursuant to Section 30 of the Labor Law, the Commissioner of Labor has reviewed the aforesaid provision of the Industrial Code Rule 21 as it relates to the use of powered platforms for window cleaning on more than one building each of which has suspension points of 75 feet or more above the nearest street or ground surface, and,

The Commissioner finds that the issuance of an Applicable Variance from the aforesaid provision of Industrial Code Rule 21, pertaining to the use of powered platforms for window cleaning on more than one building, would not violate the spirit and purpose of the said rule and would secure the public safety as contemplated by said rule.

**APPLICABLE VARIANCE**

A variance from the aforesaid provision of Industrial Code Rule 21 is hereby GRANTED, and relative to the use of powered platforms for window cleaning on more than one building, subject to the following conditions:

**CONDITIONS**

1. A powered platform which is proposed for window cleaning operations on more than one building shall be approved by the New York State Department of Labor for compliance with Industrial Code Rule 21, New York State Advisory Standard 101, Advisory Standards for Construction Operation and Maintenance of Suspended Scaffolds used for Window Cleaning and Light Maintenance, and New York State Advisory Standard 111, Advisory Standards for Hoisting Machines used for Suspended Scaffolds.
2. The powered platforms intended for multiple site use shall be a model already approved by the State of New York for window cleaning operations.
3. Application for a powered platform to be used on multiple sites shall be submitted to the Engineering Services Unit, of the New York State Department of Labor, for approval via the standard approval process as governed by Industrial Code Rule 21. The application shall list all proposed sites for which the platform shall be used. Upon Approval the platform shall be authorized for use on only the listed sites.
4. All installations shall be designed and certified by an independent Registered Professional Engineer and shall have the equipment (each combination of building and powered platform) inspected by a New York State Department of Labor Professional Engineer prior to approval.

5. An approved multiple site powered platform may be approved for use on a building which previously had or currently has an approved site specific installation by amendment to the multiple use platform Approval. The building and platform shall be inspected by New York State Department of Labor personnel prior to approval.
6. More than one powered platform may be used on the same building provided it has been approved for use on that building and has been inspected as provided herein.
7. A New York State Department of Labor inspector shall inspect all window washing equipment installations annually, without regard to whether the powered platform is site-specific or multiple use. Multiple use platforms shall be inspected on each building for which they are approved within 12 months of their last use on each building. Failure to comply will invalidate the approval for that combination of building and platform. Maintenance logs for each building platform combination shall be maintained on each site and available for review at the time of inspection.

The Petitioner shall comply with all other applicable provisions of Industrial Code Rule 21 and Advisory Standards 101 and 111 and with the latest edition of ANSI A120.1 STANDARD SAFETY REQUIREMENTS FOR POWERED PLATFORMS FOR BUILDING MAINTENANCE.

This variance shall apply and shall be applied by all enforcement officials to all persons and in all places to which the aforecited provisions of Industrial Code Rule 21 apply to the use of powered platforms for window cleaning, with the same force and effect as if this variance were duly granted upon separate petition for the use and benefit of every person affected by the aforecited provisions of Industrial Code Rule 21.

**PROTECTION OF PERSONS EMPLOYED AT WINDOW CLEANING –  
STRUCTURAL REQUIREMENTS, EQUIPMENT AND PROCEDURES**

**WORKING FROM ELEVATING WORK PLATFORMS**

**(AV 111)**

**Part 21 of Title 12 of the Official Compilation of Codes, Rules and Regulations of the State  
of New York (cited as 12NYCRR 21) Code Rule Section 21.9 Subdivision (a) as amended  
Effective October 1, 1966)**

**DATED DECEMBER 18, 1998**

Pursuant to Section 30 of the Labor Law, the Commissioner of Labor has reviewed the aforesaid provision of Industrial Code Rule 21 as it relates to the use of self propelled and boom supported elevating work platforms for window cleaning purposes and,

Has also reviewed numerous petitions for variance or other relief and the decision rendered relative to the petitions.

The Commissioner finds that the issuance of an applicable variance from the aforesaid provision of Industrial Code Rule 21, pertaining to the use of elevating work platforms for window cleaning, would not violate the spirit and purpose of the said rule and would secure the public safety as contemplated by the said rule.

**APPLICABLE VARIANCE**

A variance from the aforesaid provision of Industrial Code Rule 21 is hereby GRANTED, relative to the use of elevating work platforms for window cleaning, subject to the following conditions:

**CONDITIONS**

1. Elevating work platforms, both self propelled and boom supported, may be used for window cleaning purposes. Such platforms shall be manufactured and operated in accordance with the latest published ANSI (American National Standards Institute) Standards A92.2, A92.3, A92.5, and A92.6.
2. Aerial platforms requiring the use of outriggers, stabilizers, extendible axles, or other stability enhancing means to meet the stability requirements of these standards shall be provided with interlocks to ensure that the platform cannot be positioned beyond the maximum travel configuration(s) unless the outriggers, stabilizers, extendible axles or other stability enhancing means are properly positioned. Interlocks shall also prevent the improper retraction of these devices while the platform is beyond the maximum travel configuration (s).
3. Under all travel conditions, the operator shall limit travel speed according to conditions of ground surface, congestion, visibility, slope, location of personnel, and other factors causing hazards of collision or injury to personnel.
4. Before and during driving while the platform is elevated, the operator shall:
  - (1) maintain a clear view of path of travel

- (2) maintain a safe distance from obstacles, debris, drop-offs, holes, depressions, ramps and other hazards to ensure safe elevated travel
- (3) maintain a safe distance from overhead obstacles
- 5. Altering or disabling of interlocks or other safety devices shall be prohibited.
- 6. The elevating work platform shall be used in accordance with this variance. The operator shall ensure the following before each elevation of the platform:
  - (a) ensure the platform is operated on a surface within the limits specified by the manufacturer.
  - (b) ensure the outriggers, stabilizers, extendible axles, or other stability enhancing means are used as required by the manufacturer.
  - (c) ensure that guardrails are installed and access gates or openings are closed per manufacturer's instructions.
  - (d) ensure the load and its distribution on the platform and any platform extension(s) are in accordance with the manufacturer's rated capacity for that specific configuration
  - (e) ensure there is adequate clearance from overhead obstructions.
  - (f) ensure that the minimum safe approach distances (M.S.A.D.) to energized power lines and parts are maintained. M.S.A.D. is defined in the referenced ANSI Standards.
- 7. When an elevating work platform is used in an area, either interior or exterior, which is traversed by pedestrian or vehicular traffic, the area, which encompasses the work zone, shall be effectively blocked by barricade, or an attendant shall be stationed to keep the area clear.
- S. Each person working from an elevating work platform shall be provided with and shall use an approved safety body harness. This harness shall be attached to the guardrail of the platform by a tail line. The tail line shall not exceed four feet in length and shall have a minimum breaking strength of 4000 pounds.
- 9. The Petitioner shall comply with all applicable provisions of Industrial Code Rule 21.

This variance shall apply and shall be applied by all enforcement officials to all persons and in all places to which the aforecited provisions of Industrial Code Rule 21 apply to the use of ladders for window cleaning, with the same force and effect as if this variance were duly granted upon separate petition for the use and benefit of every person affected by the aforecited provisions of Industrial Code Rule 21.

**PROTECTION OF PERSONS EMPLOYED AT WINDOW CLEANING –  
STRUCTURAL REQUIREMENTS, EQUIPMENT AND PROCEDURES**

**WORKING FROM LADDERS**

**(AV 112)**

**Part 21 of Title 12 of the Official Compilation of Codes, Rules and Regulations of the State  
of New York (Cited as 12NYCRR 21) Code Rule Section 21.7 Subdivision (a) as amended  
Effective October 1, 1966**

**DATED DECEMBER 18, 1998**

Pursuant to Section 30 of the Labor Law, the Commissioner of Labor has reviewed the aforesaid provision of Industrial Code Rule 21 as it relates to the removal of above ground insulated piping from buildings to be demolished; and,

Has also reviewed numerous petitions for variance or other relief and the decision rendered relative to the petitions.

The Commissioner finds that the issuance of an applicable variance from the aforesaid provision of Industrial Code Rule 21, pertaining to the use of ladders for window cleaning, would not violate the spirit and purpose of the said rule and would secure the public safety as contemplated by the said rule.

The following terms as defined in Occupational Safety and Health Administration Standards shall be applicable in this applicable variance:

Ladder - an appliance usually consisting of two side rails joined at regular intervals by crosspieces called steps, rungs or cleats, on which a person may step in ascending or descending.

Stepladder - a self supporting portable ladder, non-adjustable in length having flat steps and a hinged back.

Single ladder - a non-self supporting portable ladder, nonadjustable in length, consisting of but one section.

Extension ladder - a non self supporting portable ladder, adjustable in length, consisting of two or more sections traveling in guides or brackets so arranged to permit length adjustment.

Sectional ladder - a non self supporting portable ladder, non adjustable in length, consisting of two or more sections so constructed that the sections may be combined to function as a single ladder.

**APPLICABLE VARIANCE**

A variance from the aforesaid provision of Industrial Code Rule 21 is hereby GRANTED, relative to the use of ladders for window cleaning, subject to the following conditions:

## CONDITIONS

1. Ladders may be used for window cleaning. Ladders shall not be used to clean a window whose top is more than 35 ft above the floor, adjoining ground, or flat roof, or which is so placed or obstructed as to make the method unsafe. Sectional ladders shall not be erected to an assembled length of ladder more than is allowable in accordance with the latest published ANSI (American National Standards Institute) Standards A14.1, A14.2 and A14.5.
2. All ladders shall be used at such pitch that the horizontal distance from the building or wall to the foot of the ladder is one-quarter of the working length of the ladder (the length along the ladder between the foot and the top support). The maximum length permitted for a ladder used in window washing operations shall be 36 feet.
3. Ladders may not be used on an elevated surface where the width of the surface is less than one-half the length of the ladder.
4. In order for a ladder to be used on an elevated surface, the building or structure on which such ladder is proposed to be used shall have a substantial parapet or a substantial guard railing and midrail constructed of metal. Such parapet or guardrail shall not be less than 42 inches in height from the roof surface. The guard railing shall be installed at the perimeter of the roof not more than one foot back from the roof edge. The parapet or guard railing shall be designed to resist a lateral force at the top equivalent to a minimum linear load of 50 pounds per foot.
5. The Petitioner shall comply with all applicable provisions of Industrial Code Rule 21.

This variance shall apply and shall be applied by all enforcement officials to all persons and in all places to which the aforesaid provisions of Industrial Code Rule 21 apply to the use of ladders for window cleaning, with the same force and effect as if this variance were duly granted upon separate petition for the use and benefit of every person affected by the aforesaid provisions of Industrial Code Rule 21.