	09/20/24	REVISOR	SS/DG	AR4876
1.1	Department of Labor and Ind	ustry		
1.2	Adopted Expedited Permanen	t Rules Regulating Wind	low Cleaning Safe	ety Features
1.3	1305.3114 SECTION 3114, W	VINDOW CLEANING S	AFETY FEATUR	RES.
1.4	IBC chapter 31 is amended	by adding a new section t	to the chapter:	
1.5		SECTION 3114		
1.6	WINDOW	CLEANING SAFETY F	EATURES	
1.7	3114.1 Window cleaning safety	<b>features.</b> Windows shall	be provided with a	ı safe window
1.8	cleaning method in accordance	with ANSI/IWCA I-14.1 a	and with building a	nd site
1.9	development features applicable	to that safe cleaning met	hod.	
1.10	3114.1.1 Windows wit	h glazing 38 feet or high	e <b>r.</b> Windows with g	lazing 38 feet
1.11	or higher above an asso	ociated work surface shall	be provided with e	equipment as
1.12	identified in sections 3	114.3 or 3114.4.		
1.13	Exception: Buildi	ngs where the glazing in v	vindows is located	60 feet or less
1.14	above an associate	d work surface and direct	ly below a roof that	t has a slope
1.15	4 units vertical in	12 units horizontal or grea	ater shall be permit	ted to comply
1.16	with section 3114.	2.		
1.17	3114.1.2 Existing built	dings with glazing 38 fee	e <b>t or higher.</b> Existi	ng buildings
1.18	with glazing 38 feet or	higher and undergoing al	terations shall be re	equired to
1.19	comply with this section	n where both of the follow	wing conditions are	e met:
1.20	(1) the existing bu	ilding is not currently pro	vided with a metho	od for safe
1.21	window cleaning;	and		
1.22	(2) the alteration in	cludes exposure of the pri	mary structural frar	ne of the roof.
1.23	3114.2 Manually propelled mo	bile scaffolds and mobil	e elevating work <b>p</b>	olatforms.
1.24	Manually propelled mobile scaf	folds and mobile elevating	g work platforms sł	nall comply

09/20/24 REVISOR SS/DG AR4876 with the equipment manufacturer's recommendations for height limitations, working surface, 2.1 and equipment access. 2.2 3114.3 Roof anchorage, wall anchorage, and anchor points at structural members for 2.3 use of manual swinging scaffolds, boatswain's chairs, and rope descent systems. 2.4 Buildings where safe window cleaning methods use swinging scaffolds, boatswain's chairs, 2.5 and rope descent systems shall be equipped with roof anchors, wall anchors, or anchor 2.6 2.7 points at structural members in compliance with this section. 3114.3.1 Anchor point working surface. Each anchor location shall be provided 2.8 with an anchor point working surface not less than 30 inches deep and 30 inches 2.9 wide, with a slope not greater than 4 units vertical in 12 units horizontal and a 2.10 vertical clearance of not less than 80 inches. 2.11 **3114.3.1.2 Access to anchor point working surface.** An accessway that is 2.12 continuous from the public way to the anchor point working surface shall be 2.13 provided that consists of one or both of the following components: 2.14 1. An accessway with solid flooring that shall not be less than 6 feet in 2.15 height and 24 inches in width for its entire length. Where the slope of the 2.16 accessway is greater than 4 units vertical in 12 units horizontal, fall 2.17 restraint shall be provided in accordance with section 3114.3.2. 2.18 Exception to item 1: A portion of an accessway may be reduced to 2.19 30 inches high and 22 inches wide with a slope not greater than 1 2.20 unit vertical in 12 units horizontal for a total distance not exceeding 2.21 20 feet in length. 2.22 2.23 2. Vertical access along the accessway shall comply with the requirements for mechanical equipment and appliances on roofs or elevated structures 2.24 2.25 in Minnesota Rules, chapter 1346.

SS/DG

3.1	3114.3.2 Fall restraint. Fall restraint anchorage connector devices compliant with
3.2	ANSI/ASSE Z 359.1 shall be installed along the accessway to each anchor working
3.3	surface where the accessway is 10 feet or less from the roof edge or where the
3.4	slope of the accessway exceeds 4 units vertical in 12 units horizontal.
3.5	<b>Exception:</b> Where guards are installed extending not less than 6 feet beyond
3.6	the working surface on the fall hazard side.
3.7	<b>3114.3.3 Roof anchorage points.</b> Buildings shall be equipped with roof anchors
3.8	at each location where safe window cleaning methods use swinging scaffolds,
3.9	boatswain's chairs, and rope descent systems. Roof anchors shall conform to
3.10	ANSI/IWCA I14.1 Standard for Window Cleaning Safety, sections 9 and 17.
3.11	Anchor designs shall be certified by a licensed structural engineer.
3.12	3114.3.3.1 Anchor point working surface access to working surface. Each
3.13	anchor location shall be provided with an anchor point working surface in
3.14	accordance with section 3114.3.1.
3.15	3114.3.3.2 Access to anchor point working surface. Access to the anchor
3.16	point working surface shall be provided in accordance with section 3114.3.1.2.
5.10	point working surface shan be provided in accordance with section 5114.5.1.2.
3.17	3114.3.3.3 Fall restraint. Fall restraint anchorage connector devices shall
3.18	comply with section 3114.3.2.
3.19	3114.3.4 Wall anchorage. Wall anchors shall comply with sections 3114.3.4.1
3.20	through 3114.3.4.4.
3.21	3114.3.4.1 Capacity. Anchorages shall be capable of sustaining a 5000 pound
3.22	(2268 kg) minimum load or a minimum 4-to-1 safety factor, whichever is
3.23	greater, in any direction that a load may be applied.
3.24	3114.3.4.2 Adhered fasteners. Anchorages using adhesive fasteners (epoxy
3.25	anchors) to a structure shall have a minimum of two fasteners per anchorage.

	09/20/24	REVISOR	SS/DG	AR4876
4.1		3114.3.4.3 Materials or finishes. Anchorage	es which have a sur	rface
4.2		permanently concealed from view shall be m	ade of corrosion re	esistant steel
4.3		or of an approved noncorrosive, nonmetallic material constructed to withstand		
4.4		equipment impact loads and physical abrasion.		
4.5		3114.3.4.4 Positioning. Anchorages shall be	unobstructed and lc	ocated behind
4.6		and in line with the equipment or portion of t	he building they ar	e intended to
4.7		service and shall be free of sharp edges to pro-	event damage to ap	opurtenances
4.8		attached to them.		
4.9		3114.3.4.5 Anchor point working surface.	Each anchor locati	on shall be
4.10		provided with an anchor point working surfa	ce in accordance w	vith section
4.11		3114.3.1.		
4.12		3114.3.4.6 Access to anchor point working	surface. Access to	o the anchor
4.13		point working surface shall be provided in acc	ordance with sectio	on 3114.3.1.2.
4.14		3114.3.4.7 Fall restraint. Fall restraint anche	orage connector de	vices shall
4.15		comply with section 3114.3.2.		
4.16	31	14.3.5 Anchorage to certified structural mem	bers. Anchor point	s at structural
4.17	me	embers shall comply with sections 3114.3.5.1 the	rough 3114.3.5.4. T	The structural
4.18	me	ember where an anchor point is installed shall be	certified by a licent	sed structural
4.19	en	gineer for anchor use.		
4.20		3114.3.5.1 Anchorage points. Anchorage po	oints at certified str	uctural
4.21		members at locations where safe window cle	aning methods use	swinging
4.22		scaffolds, boatswain's chairs, and rope descen	nt systems shall be	designed to
4.23		comply with ANSI/IWCA I14.1 Standard for	Window Cleaning	g Safety. The
4.24		anchor points at structural members and anch	or designs shall be	e certified by
4.25		a licensed structural engineer.		

	09/20/24	REVISOR	SS/DG	AR4876
5.1	3114.3.5.2 Anchor	point working surface.	Each anchor locati	on shall be
5.2	provided with an an	nchor point working surf	ace in accordance w	vith section
5.3	3114.3.1.			
5.4	3314.3.5.3 Access	to anchor point working	g surface. Access to	o the anchor
5.5	point working surfa	ce shall be provided in ac	cordance with sectio	on 3114.3.1.2.
5.6	3114.3.5.4 Fall res	traint. Fall restraint anch	norage connector de	vices shall
5.7	comply with section	n 3114.3.2.		
5.8	3114.4 Permanently installed po	wered platforms. Build	ings where safe wind	dow cleaning
5.9	methods use permanently installe	ed powered platforms sha	all comply with this	section. The
5.10	installation shall be certified by a	licensed structural engin	neer.	
5.11	3114.4.1 Working surf	ace. Each powered platfo	orm location shall be	e provided
5.12	with a working surface	not less than 30 inches w	vide and not less that	n the service
5.13	length of the powered p	latform. The slope of the	working surface sh	all not be
5.14	greater than 1 unit vertice	cal in 12 units horizontal	and a vertical clear	ance of not
5.15	less than 80 inches.			
5.16	3114.4.2 Access. An ac	cessway that is continuou	us from the public w	vay to each
5.17	powered platform work	ing surface shall be prov	ided that consists of	one or both
5.18	of the following compo	nents:		
5.19	1. An accessway w	ith solid flooring that sha	ll be not less than 6	feet high and
5.20	24 inches wide for i	ts entire length. Where the	e slope of the accessv	way is greater
5.21	than 4 units vertica	l in 12 units horizontal, f	all restraint shall be	provided in
5.22	accordance with se	ction 3114.4.3.		
5.23	Exception to i	tem 1: A portion of an a	ccessway may be re	duced to less
5.24	than 30 inches	high and 22 inches wide	with a slope not gr	eater than 1

	09/20/24	REVISOR SS/DG AR4876
6.1		unit vertical in 12 units horizontal for a total distance not exceeding 20
6.2		feet in length.
6.3		2. Vertical access along the accessway shall comply with the requirements
6.4		for mechanical equipment and appliances on roofs or elevated structures in
6.5		Minnesota Rules, chapter 1346.
6.6		3114.4.3 Fall restraint. Fall restraint anchorage connector devices compliant with
6.7		ANSI/ASSE Z 359.1 shall be installed along the accessway to each powered
6.8		platform working surface where the accessway is 10 feet or less from the roof edge
6.9		or where the slope of the accessway exceeds 4 units vertical in 12 units horizontal,
6.10		or guards shall be installed extending not less than 6 feet beyond the working
6.11		surface on the fall hazard side.