			IBC Significant (	Changes Repo	rt	
2021 Code	2018 Code				Amend Needed	
Section	Section	Title or Subject	Reviewers Comments	Cost (Y/N)	(Y/N)	TAG Comments / Recommendations
•		!	Chapter 15—Roof Assemb	lies and Roofto	p Structures	
TAG Member: Chris			·			
1502.1	1502.1	General	This section provides reference to Chapter 11 of International Plumbing Code.	N	Y	Change the reference with a reference to Uniform Plumbing Code
1502.2	1502.2	Secondary (emergency overflow) drains or scuppers.	This section provides reference to Chapter 11 of International Plumbing Code.	N	Y	Change the reference with a reference to Uniform Plumbing Code
1503.3.1 & 1503.3.2	1503.3	Parapet Walls	Requirements added to clarify coping not to impact rating of fire wall and to provide drainage	N	N	
1504.3.1.3	None	Air permeability testing	Gives default coefficient for tile roofs	N	N	
1504.5	1504.4	Ballasted low-slope single-ply roof systems.	All requirements applicable to the design and construction of ballasted low-slope roofs are now contained in the ANSI/ SPRI RP-4 standard.	N	N	
1504.9	None	Wind resistance of aggregate-surfaced roofs.	Requirement for parapet to keep aggregate from blowing around. Unclear how common this roof type is.	Υ	N	Past provisions regulating aggregate blow-off from aggregate-surfaced roofs were not based on a quantitative analysis of observed roofing system performances in real wind events. Rather, the requirements were based on variations in surface pressure with building height. Fully revised Section 1504.9 is now based on wind speeds for blowoff and only deals with smaller aggregate used for the surfacing of built-up roofs (BUR) and sprayed polyurethane foam (SPUF) roofs, both of which are different systems than ballasted roofs. Table 1504.9 considers aggregate size, roof height and wind speed to determine the minimum required parapet height.
1507.3.1	1507.3.1	Clay and concrete tile	New exception to solid sheathing requirement in seismic design A-C	Reduced	N	
1509	None	Roof Coatings	New section to list appropriate ASTM standards for various coatings	N	N	
1511.2.2	1510.2.2	Use Limitations	Clarification that penthouses may include spaces used to access elevators	N	N	
			Chapter 16—S	tructural Desigr	1	
TAG Member: Sue Co	offman	1	printed occupancy buildings with assembly		1	
Table 1604.5	Table 1604.5	Table 1604.5 – Risk Category of Buildings and Other Structures	spaces are now designated as Risk Category III when the total public assembly occupant load is creater than 2 500 people	N	N	Don't need the existing amendments in this table.
1605	1605	Load combinations	The strength design and allowable stress design load combinations have been deleted while direct reference to Chapter 2 of ASCE 7 has been added. (Sections 1605.1 and 1605.2)	N	N	

		T	Modifies the title and the text to specify that		1	
			Section 1606.2 applies to weight of materials of			
		Maiaba af masassiala af				
4606.3	1606.2	Weight of materials of				
1606.2	1606.2	construction	equipment.	N	N	<u> </u>
4505.0		Weight of fixed	New section addressing weight of fixed service			
1606.3	None	service equipment	equipment.	N	N	<del></del>
		Photovoltaic panel	New section addressing photovoltaic panel			Historically, the code has not addressed variable content weight in
1606.4	None	systems	systems.	N	N	dead loads nor explicitly described certain loads. The weights of
		Vegetative and	New section addressing vegetative and			vegetative roofs, solar panels and fixed service equipment have been
1606.5	None	landscaped roofs	landscaped roofs.	N	N	clarified to provide consistency between the IBC and ASCE 7.
1607.11,4	4 1607.10.4	Fall arrest, lifeline, and rope descent system anchorages.	Rope descent system anchorage has been added to the section on fall arrest and lifeline	Y	N	In 2017, the Occupational Safety and Health Administration (OSHA) adopted new regulations in Section 1910.27 that specifically require a anchorages of rope descent systems (such as boatswain's chairs) to be able to support 5,000 pounds in any direction for each attached worker. Since OSHA has added specific language addressing rope descent systems, and because the systems and loads are basically identical to those for other fall arrest lines, Section 1607.11.4 has bee updated to mirror OSHA's requirements and includes minimum design loads for rope descent systems.
1607.11.4	4 1607.10.4	system anchorages.	anchorage.	Y	N	
1607.17	None	Fixed ladders	Adds requirements for live loads for fixed and ship's ladders.	N	N	Live loads to be used in the design of ladders have not previously been specified in the IBC; however, Requirements for fixed ladders are now coordinated between the IBC and ASCE 7. Ladder live loads contained in ASCE 7 have been added to the IBC. The addition of live load values provides the necessary load values in the IBC but maintains the accompanying design information within ASCE 7
1608.2	1608.2	Ground snow loads	The ground snow load map has been updated to provide consistency with ASCE 7-16 snow maps by adding a reference to ASCE 7 snow tables in states with large case study areas.	N	N	
1610.2	None	Uplift loads on floor and foundations	New section. Concrete slabs on ground must now be designed for uplift due to soil expansion and water pressure in areas prone to soil movement or a shallow water table.	Y	N	Section 1610 has not previously addressed uplift loads from hydrostatic pressure or expansive soils. Requirements addressing uplif forces are now to be applied when appropriate and included in the design. The hydrostatic pressure provisions include a required determination of loads based on measuring to the underside of the construction per ASCE 7, Section 3.2.2.
1010.2	None	and roundations	Secondary drainage system rain loads have been	ı	IN	of the construction per ASCE 7, Section 3.2.2.
1611.1	1611.1	Design rain loads	updated to be consistent with ASCE 7.	Υ	N	
1612.4	1611.1	Flood hazard documentation	The design of hydrostatic loads on breakaway walls is required when the walls do not meet the requirements of ASCE 24.	Y	N	
			,	<u> </u>		
			Chapter 17—Special	Inspections and	Tests	<b>'</b>
TAG Member: Su	ue Coffman		Silapte: 27 Openia			
I VO IAICIIINEI: 20	uc comman	Structural	Because the definition of structural observations			1
1704.6	1704.6			N	N.	
1704.6	1/04.6	observations	in the 2018 IBC was considered	N	N	

П			Structural	vague and disconnected from Chapter 17			
			observations for	requirements, a new description in Section			
	1704.6.1	1704.6.1	structures	1704.6 provides clearer direction for the	N	N	
			Required Special	Special inspection requirements for precast			
			Inspections and Tests	concrete diaphragm connections have been			
			of Concrete	added to the list of general concrete special			
	Table 1705.3	Table 1705.3	Construction	inspections and tests.	Υ	N	
				Special inspection of empirically designed			
				masonry in Risk Category IV buildings is no longer			
				required because the masonry standard, TMS			
				402, Building Code Requirements and			
			Glass unit masonry	Specification for Masonry Structures, does not			
			and masonry veneer	allow Risk Category IV buildings to be designed			
	1705.4.1	1705.4.1	in Risk Category IV.	following the empirical design method.	N	N	
			Mass timber				
	1705.5.3	None	construction	Special inspection requirements have been	Υ	N	
			Sealing of mass	added to address the anchorage and connection			
	1705.2	None	timber	of mass timber structural elements.	Υ	N	
				When installed deep foundation elements appear			
				to be understrength due to quality, location or			
			Deep Foundation	alignment, an engineering			
	1705.1	None	Elements.	assessment must now be done.	Υ	N	Safety measure
				Steel storage rack special inspection duties have			
				been clarified with the addition of special			
$\vdash$	1705.13.7	1705.12.7	Storage racks	inspection tasks.	N	N	
				The tradellation of florest one florest and taken to tak			
				The installation of firestops, fire-resistant joint			
				systems and perimeter fire barrier systems in			
			Fire-resistant	residential-use buildings now requires special			
			penetrations	inspection in those Group R fire areas having an occupant load exceeding 250.			Too much work for inspector; the special inspection saves time during
	1705.18	1705.17	and joints.	occupant load exceeding 250.	Υ	N	construction. Also provides clarity.
H	1703.16	1703.17	and joints.		ī	IN	construction. Also provides clarity.
				Testing standards and analysis procedures have			
				been clarified for exterior door and window			
			Exterior window and	assemblies, including garage door assemblies.			
	1709.5	1709.5	door assemblies	assembles, melaung garage ador assembles.	N	N	
$\vdash$	2.00.0	2, 33.3	Windborne debris		.,	14	
	1709.5.3	None	protection	Required windborne debris protection for glazing			
$\Box$			Impact protective	has been clarified through the addition of a			
			systems testing and	design standard and a definition			
	1709.5.3.1	None	labeling	of impact protective systems.	N	N	
			J				
				Chapter 18—Soil	s and foundation	ns	
TAG	Member: Sue Co	ffman					
			1807.2.2 Design	Amendment clarifies backfill height is measured		.,	Many designation from 0004 and
	1807.2.2	1807.2.2	lateral soil loads	from bottom of footing.	N	Υ	Keep – clarification from 2021 codes
ш				-			<u> </u>

 1		1	Amendment adds availability of using load			
			, -			
			combinations in ASCE 7, Section 2.4 along with			6
<u>1802.1</u>	1802.1	General	1603.	N	N	Adding Reference
			Amendment clarifies "support" vs. specifying			
		Excavation near	underpinning and adds "excavation retaining			
1803.5.7	1803.5.7	foundations	systems" under options to support excavation.	N	N	
		Excavation near	Clarifies that the intent is to require assessment			
1804.1	1804.1	foundations	in accordance with 1803.5.7.	N	N	Adding Reference
			Amendment adds availability of using load			
			combinations in ASCE 7, Section 2.4 along with			
1806.1	1806.1	Load Combinations	1605.3.	N	N	Adding Reference
		Segmental Retaining	Added new section on Segmental Retaining walls			
1807.2.4	N/A	Walls	to comply with ASTM C1372	N	N	
			Amendment adds availability of using load			
1808.3	1808.3	Design loads	combinations in Section 2.3 or 2.4 of ASCE 7	N	N	
			Amendment adds availability of using load			
1808.3.1	1808.3.1	Seismic overturning	combinations in Section 2.3 or 2.4 of ASCE 7	N	N	
		Concrete or grout				
		strength of mix	Removed section specifying requirements when			
1808.8.1	1808.8.1	proportioning	concrete is placed through a funnel hopper.	N	N	
			New section requiring frost protection at			
		Frost protection at	required exits so the door will swing without			
1809.5.1	N/A	required exits	obstruction.	Υ	N	
			Amendment adds availability of using load			
		Design methods for	combinations in ASCE 7, Section 2.4 along with			
1810.3.1.1	1810.3.1.1	concrete elements.	1605.3.	N	N	Adding Reference
			Adds exception to load testing if approved by			
1810.3.3.1	1810.3.3.1	Allowable axial load.	Building Official	N	N	
1810.3.3.1.9	1810.3.3.1.9	Helical piles	Additional design criteria for helical piles	Υ	N	
		Subsiding soils or	Section renamed to add "or strata" to title and in			
1810.3.4	1810.3.4	strata	body of code section.	N	N	
			Requirement added for structures assigned to			
			Seismic Design Category D, E or F, design for			
		Structural steel H-	detailing of H-piles shall also conform to the			
1810.3.5.3.1	1810.3.5.3.1	piles	requirements of AISC 341.	Υ	N	
			Added exception for buildings assigned to			
			Seismic Design Category A or B, splices need not			
			comply with the 50- percent tension and bending			
			strength requirements where justified by			
1810.3.6	1810.3.6	Splices	supporting data	N	N	
			Specified precast concrete piles shall be designed			
			and detailed in accordance with ACI 318 with			
1010 3 0	1010 3 0	Dunanat and and a surface of	exceptions for Seismic design category C and	λ.		
1810.3.8	1810.3.8	Precast concrete piles Required	D&F.  Amendment adds availability of using load	N	N	
1010 2 0 2	1010 2 0 2	reinforcement	combinations in Section 2.3 of ASCE 7	NI NI	NI	
1810.3.9.2	1810.3.9.2	Seismic	COMBINATIONS IN SECTION 2.3 OF ASCE /	N	N	
		reinforcement in				
		Seismic Design	Amendment adds availability of using load			
1810.3.9.4.1	1810.3.9.4.1	Category C	combinations in Section 2.3 of ASCE 7	N	N	
1010.3.3.4.1	1010.3.3.4.1	Category C	COMMUNICIONS IN SECTION 2.3 OF ASCL 7	11	IN	

I			Seismic				
			reinforcement in				
			Seismic Design				
	4040 2 0 4 2	4040 2 0 4 2	Categories D through	Amendment adds availability of using load			
$\vdash$	1810.3.9.4.2	1810.3.9.4.2	F Seismic Design	combinations in Section 2.3 of ASCE 7	N	N	
			•	Removed sections and referred to design of ACI			
	1810.3.11.1	1810.3.11.1	F.	318	N	N	
			Seismic Design				
			Categories D through	New item #3 with requirements for connection of			
_	1810.3.11.2	1810.3.11.2	F.	pile caps to H-piles	N	N	
	1810.3.12	1810.3.12	Grade Beams	Design requirement changed to just ACI 318 with ASCE 7 as an exception for overstrength factor	N	N	
$\vdash$	1810.3.12	1610.5.12	Grade Bearins	ASCE 7 as an exception for overstrength factor	IN	IN	
	1810.3.13	1810.3.13	Seismic Ties	Design requirements changed to just ACI 318	N	N	
	1810.4.1.2	1810.4.1.2	Casings	Section renamed.	N	N	
			-	Removed sentence about installing in heaving			
Ш	1810.4.1.3	1810.4.1.3	concrete	soils	N	N	
$\vdash$	1810.4.5	1810.4.5	Vibratory Driving	Added 2 exceptions for vibratory driving  Added requirement for manufacturer rating for	N	N	
	1810.4.11	1810.4.11	Helical Piles	torque	N	N	
	1010.4.11	1810.4.11	Helical Files		—Concrete	14	<u> </u>
TAG	Member: Sue Co	offman		Chapter 13	Concrete		
			Plain and reinforced	Removed requirement for precast concrete			
	1901.2	1901.2	concrete	diaphragms for Seismic design categories C-F.	N	N	
	1001.0	4004.3	A male and mark a manual a	Daniel de la companya	N	.,	
$\vdash$	<u>1901.3</u>	1901.3	Tolerances for	Removed screw anchors	N	N	
	1901.7	N/A		New section added	N	N	
		,					
			Coordination of	Renamed section and added new subsections on			
	1902	1902	Terminology	Design Displacement and Special Structural Wall	N	N	
	4002.4	1002.1	Canada	Demonal Function for use of ACTM standards			
	1903.1	1903.1	General	Removed Exception for use of ASTM standards	N	N	
				New section that replaces 2018 section titled			
			Footings for light	"Structural Plain Concrete" comprised of an			
	1906	1906	framed construction	exception for plain concrete in 2018 code	N	N	
				Many subsections removed and just refers to			
	1908	1908	Shotcrete	compliance with ACI 318	N	N	
L.		•		Chapter 20	—Aluminum		
TAG	Member: Sue Co	ottman					T
	No Changes						
					<u> </u>		
<u></u>				Chapter 21	.—Masonry		
TAG	Member: Sue Co	offman					

				Several subsections added with requirements for			
	2109.2.4.8	2109.2.4.8	Exterior finish	plaster	N	N	
H							
				Chamter	22 Charl		
				Chapter	22—Steel		
TAC	Member: Sue Co	ffman					
				Amendment added for beam to column moment			
			Seismic Design	connections in special and intermediate moment			
	2205.2.1.1	2205.2.1.1	Category B or C	frames	N	N	
				Amendment added for beam to column moment			
			Seismic Design	connections in special and intermediate moment			
	2205.2.1.2	2205.2.1.2	Category D, E or F.	frames	N	N	
			0 , ,	added new section 2209.3 Certification requiring			
				a certificate of compliance for certain storage			
	2209	2209	Steel Storage Racks	racks	Υ	N	Cert of Compliance adds to cost
	2209	2209	Steel Stolage Nacks		·	IN	cert of compliance adds to cost
				Chapter A	23—Wood		
TAC	Member: Sue Co	ffman					
			Fire-retardant treated	minor amendments related to fire testing			
	2303.2	2303.2	wood	requirements	N	N	
				amendments added for permanent individual			
				truss member restraint and diagonal bracing			
				section, including 5 new figures -2303.4.1.2(1-5)			
	2303.4	2303.4	Trusses	with installation diagrams and alternatives	N	N	
H	200011						
				Clarification of shrinkage as a result of changes in			
	2303.7	2303.7	Shrinkage	the wood moisture after installation	N	N	
$\mathbf{H}$	2303.7	2303.7	Jiiiiikage	Amendment to allow other lumber decking	IN	IN	
				=			
	2224.0	2224.0		patterns and connections with engineering			
Ш	2304.9	2304.9	Lumber Decking	substantiations	N	N	
				New section with requirements for fire-			
			Connection fire-	resistance ratings for connections in Type IV-A, IV-			
Ш	2304.10.1	N/A	resistance ratings	B, or IV-C construction	N	N	
1				Minor additions/changes to fastener types for			
	Table 2304.10.2	Table 2304.10.2	Fastening Schedule	various building elements	N	N	
				Amendment to allow concealed spaces			
1	2304.11.4	2304.11.4	Roof decks	complying w/Section 602			
	N/A	2304.12.2.4	Laminated timbers	Section removed from 2021 code	N	N	
	,	1					
			Ventilation beneath				
			balcony or elevated	Changed to "weather exposed surfaces" vs.rain,			
	2304.12.2.6	2304.12.2.6	walking surfaces	snow, etc.	N	N	
$\vdash$	2304.12.2.0	2304.12.2.0	waiking surfaces	511044, CCC.	111	1N	
1			Ctandards for dest-				
			Standards for design				
			and construction of				
			wood elements in				
			structures using				
			allowable stress				
	Table 2306.1	N/A	design	New table added identifying all the standards	N	N	

			Allowable loads for				
	Table 2306.1.4	Table 2306.1.4	lumber decking	Revised load calculation for 3- and 4-inch decking	N	N	
-	Table 2506.1.4	Table 2506.1.4	iumber decking	Revised load calculation for 5- and 4-men decking	IN	IN	
	2308.5.9	2308.5.9	Cutting and notching	Torminalogy shanged to "donth" of wood stud	N	N	
-	2306.5.9	2306.5.9	Cutting and notening.	Terminology changed to "depth" of wood stud	IN	IN	
	2200 5 10	2200 F 10	Bored holes.	Towns in all and all and the "decable" of the advised	N	NI.	
-	2308.5.10	2308.5.10	Borea noies.	Terminology changed to "depth" of wood stud	N	N	
			Catarata and Illiana at a situation	Solid blocking of cripple wall for full perimeter of			
			Cripple wall bracing in	dwelling and interior walls on foundations.			
			Seismic Design	Exception for WSP and DWB to reduce bracing			
	2308.6.6.2	2308.6.6.2	Categories D and E.	removed	Y	N	
				Table reconfigured with minor changes to # of			
_	TABLE 2308.7.3.1	TABLE 2308.7.3.1	Rafter tie connections	nails in some categories	Υ	N	
	TABLE		Heel Tie Connection				
	2308.7.3.1(1)	N/A	adjustment factors	New table in 2020 code	Υ	N	
				Chapter 24—G	lass and glazing		
TΑ	G Member: Chris						
				Changes to how to calculate if glass is firmly	N	N	
	2403.3	2403.3	Framing	supported based on glass edge length			
			·	Clarification that laminated glass and plastic			
			Slope Glazing –	materials do not require screening and are not	N	N	
	2405.2	2405.2	Allowable Materials	limited by height restrictions	"	.,,	
-					Gypsum board		<u> </u>
-				Chapter 25—	dypsum board		
TA	G Member: Mark						
	2510.6; 2510.6.1; 2510.6.2	2510.6	Water-resistive barriers	Water-resistive barrier requirements for stucco have been divided into two categories based on whether the building is in a dry or moist climate.	N	N	The provisions for stucco have been reorganized by deleting the two exceptions. The exceptions have been replaced by subsections that indicate when an air gap is required by separating the requirements into dry and wet climate provisions. Additionally, a revised format recognizes two methods of compliance to the stucco water-resistive barrier provisions by requiring materials meet either ASTM E2556 Type I or Type II.
				Appendix F Ro	odentproofing		
No	changes						
	_						
				Appendix G Flood-Re	esistant Constru	ction	
No	changes						
<u> </u>							
-							
				Δnnandi	x H Signs		
N/ e	shangas			Аррени	A II SIBIIS		
INC	changes						T
-							
					D-4'- C-		
				Appendix I	Patio Covers		
No	changes						T

Appendix J Grading						
No changes						
Appendix L Earthquake Recording						
No changes						
		Appendix M Tsunami-G	enerated D Floor	d Hazard		
No changes						