

for the 2018 IBC GENERAL AMENDMENTS

Date: 4.15.15

Reviewing Member for these Amendments: Sean Dang, Clint Lee, Chuck, Paul Armstrong, Arturo Rivera/Truong Huynh Victor Cuevas, Lukas Quach

Review IBC Chapters

Item No.	Code Section	Recommendation: VS - Very Strongly S – Strongly N – Neutral A – Against				Comments (if any)
		VS	S	N	A	
G 1-15	202 - AREA, BUILDING.	VS	S	N	A	Recommend some language change to better improve intent ¹ Make sense
			x			
G 2-15	202 - AREA, BUILDING	VS	S	N	A	The area beneath the horizontal projection should always be include to account for the “area that can burn”. It is irrelevant if the space is usable or non-usable by the building occupants.
					x	
G 3-15	202 - ATRIUM	VS	S	N	A	It doesn't make sense to have code provisions explain an opening is not to be an atrium within the definition of ATRIUM. Recommend just modifying sec. 712.9 and 1019.3 without modifying the ATRIUM definition.
					X	
G 4-15	202 - CHILDREN'S PLAY STRUCTURE	VS	S	N	A	The definition contradicts with material requirements in section 424.2
					X	
G 5-15	202 - COMBUSTIBLE	VS	S	N	A	Proposal would add definitions for the words COMBUSTIBLE and NONCOMBUSTIBLE to the code. Definitions for these two words are long overdue. ^(A.T)
		X				
G 6-15	202 - CUSTODIAL CARE	VS	S	N	A	Proposal does not mention how this would impact the remaining code sections.
					x	

G 7-15	202 - DORMITORY. (STUDENT RESIDENCE FACILITY)	VS	S	N	A	Code is already clear, there is not need to state "student residence facility"
					X	
G 8-15	202 - DWELLING	VS	S	N	A	Code is already clear, there is not need to state that a dwelling can be used for "any period or length of time".
					X	
G 9-15	202 - DWELLING UNIT	VA	S	N	A	Adding "sleeping" makes sense in a Sleeping Unit definition.
			X			
G 10-15	202 - EGRESS SIDE	VS	S	N	A	Make sense
			X			
G 11-15	202 - FOOD COURT	VS	S	N	A	
			x			
G 12-15	202 - GRADE PLANE	VS	S	N	A	Proposed definition is an over simplification of how a grade plane should be established, but the current definition is confusing and lengthy.
			X ^(A.T)	X		
G 13-15	202 - GREENHOUSE	VS	S	N	A	Specialty structure, no need to include greenhouse this code.
					X	
G 14-15	202 - OPENING PROTECTIVE	VS	S	N	A	The proposal introduces and adds a definition for OPENING PROTECTIVE to Section 202.
			X			
G 15-15	202 - OPENING PROTECTIVE	VS	S	N	A	The proposal is more ambiguous.
					X	
G 16-15	202 - PLASTIC GLAZING	VS	S	N	A	Make sense.
			X			
G 17-15	202 - LIGHT TRANSMITTING PLASTIC, APPROVED	VS	S	N	A	Introducing this language will cause architects to question how plastic, without light transmitting quality, is used.
					X	
G 18-15	202 - PRIVATE GARAGE	VS	S	N	A	Make sense
			X			

G 19-15	202 - SOFT CONTAINED PLAY EQUIPMENT STRUCTURE	VS	S	N	A	Definition is still vague
					X	
G 20-15	202 - SOFT CONTAINED PLAY EQUIPMENT STRUCTURE	VS	S	N	A	"24 in. deep" is important and should not be deleted because it is use to mandate pool enclosure protection.
					X	
G 21-15	202 - VAPOR RETARDER CLASS	VS	S	N	A	Cannot determine if "Procedure A" is correct/applicable to Vapor Retarder.
				X		
G 22-15	304.2, [F] 307.2, 308.2, 310.2, 402.2, 404.1.1, 406.2, 408.1.1, 410.2, 411.2, 412.2, [F] 415.2, [F] 421.2, 423.2, 502.1, 702.1, 722.1.1, 802.1, 902.1, 1002.1, 1102.1, 1202.1, 1402.1, 1502.1, 1602, 1602.1, 1609.2, 1612.2, 1613.2, 1615.2, 1702.1, 1802.1, 2102.1, 2302.1, 2402.1, 2502.1, 2602.1, 3102.2, 3105.2, 3110.2	VS	S	N	A	Agreeing with the Code Correlation Committee (see "Reason:" section for more info.)
					X	
G 23-15	302.1 General. 508.2.4 Separation of occupancies 508.3.3 Separation	VS	S	N	A	The proposed changes- "Occupied roof decks, other than private roof decks accessed from individual dwelling units in Group R-3 and Group R-2 occupancies,..." can be erroneously interpreted to exempt occupied roof in Group R-2 occupancies. .
				X ^(A.T)	X	
G 24-15	302.1 General. 508.2.4 Separation of occupancies 508.3.3 Separation	VS	S	N	A	Make sense
			X			
G 25-15	303.1.1 Small buildings and tenant spaces 303.1.2 Small assembly spaces.	VS	S	N	A	Make sense
			X			
G 26-15	303.1.1 Small buildings and tenant spaces 303.1.2 Small assembly spaces	VS	S	N	A	G25-15 makes more sense
					X	
G 27-15	303.4 - Assembly Group A-3	VS	S	N	A	Greenhouse will seldom have large number of occupants. Greenhouse for public assembly with large number of occupants will automatically trigger an "assembly occupancy." No need to introduce this specialty use into the code.
					x	
G 28-15	303.5 - Assembly Group A-4	VS	S	N	A	The term "sports practice facilities" is

					x	ambiguous.
G 29-15	304.1 - Assembly Group A-4	VS	S	N	A	Greenhouse should not be classified as a B occupancy.
G 30-15	305.1.2 (New) - Greenhouses	VS	S	N	A	Greenhouse should not be classified as an E occupancy.
G 31-15	306.3 - Low-hazard factory industrial, Group F-2	VS	S	N	A	A greenhouse should be a U occupancy
G 32-15	CRISIS CENTER. 308.3 Institutional Group 310.6 Residential Group R-4 Smoke barriers in Group I-1, Condition 2	VS	S	N	A	Does not make sense to assign an occupancy and generating construction documents & issuing permit for a (temporary) "Crisis Center". Secondly the building official can interpret these crisis center as a halfway house.
G 33-15	308.3.4 Five or fewer persons receiving custodial care 308.4.2 Five or fewer persons receiving medical care 310.5.1 Care facilities 903.2.8.4 Care facilities	VS	S	N	A	The modified language will eliminate the sprinkler requirements when there is a change of use from a dwelling to care facilities because the IRC does not have language to mandate sprinklers for this Change of Use.
G 34-15	308.3.4 Five or fewer persons receiving custodial care. 308.4.2 Five or fewer persons receiving medical care 310.5.1 Care facilities within a dwelling. Care facilities	VS	S	N	A	The modified language will eliminate the sprinkler requirements when there is a change of use from a dwelling to care facilities because the IRC does not have language to mandate sprinklers for this Change of Use.
G 35-15	308.2 Definitions.	VS	S	N	A	Right intent, but clarifications need to be

	24-HOUR BASIS. CUSTODIAL CARE. DETOXIFICATION FACILITIES. FOSTER CARE FACILITIES. HOSPITALS AND PSYCHIATRIC HOSPITALS. LOCKUP FACILITY INCAPABLE OF SELF-PRESERVATION. MEDICAL CARE. NURSING HOMES. 308.5 Institutional Group I-3 308.5.6 Lockup facilities				x	made. By definition a “lockup facility” is a building. So how could sec. 308.5.6 item #4 states “there shall be not more than one lock-up facility (ie building) with a building.” In other words, how can you have a building inside a building?
G 36-15	309.1 - Mercantile Group M	VS	S	N	A	Greenhouse should not be classified as an M occupancy.
					X	
G 37-15	310.4 Residential Group R-2 310.5 Residential Group R-3	VS	S	N	A	Make sense, clarification/ simplification of the code language
			X			
G 38-15	310.4 - Residential Group R-2	VS	S	N	A	No justification given.
					x	
G 39-15	310. 4 - Residential Group R-2	VS	S	N	A	The “condominium” is already clear. Inserting this “non-transient” term with condominium will lead designer/architect to incorrectly believe that there is a “condominium (transient)” embedded somewhere else in the Code.
					x	
G 40-15	310.5 Residential Group R-3 310.5.2 Lodging houses	VS	S	N	A	Make sense to be consistent with other code section.
			x			
G 41-15	310.5.2 - Lodging houses	VS	S	N	A	Make sense
			x			
G 42-15	310.6 - Residential Group R-4	VS	S	N	A	Don’t understand the reasoning.
G 43-15	311.1.1 - Accessory storage spaces	VS	S	N	A	Without the 100 sq. ft. defined,

					x	designer/architect will call 1000 or 2000 etc... square feet as accessory storage space to an "M" or "B" (as it relates to the major use of the building). Thus no occupancy separation will be provide between this storage room and the rest of the building.
G 44-15	311.2 - Moderate-hazard storage	VS	S	N	A	Code is already clear, no need for this change.
					x	
G 45 -15	202, 202 (New), 312.1, C101.1 AGRICULTURAL BUILDING ANIMAL HOUSING FACILITY 312.1 General C101.1 Scope	VS	S	N	A	Should not include "laboratories."
					x	
G 46-15	312.1 - General	VS	S	N	A	Maintenance and grounds keeping structures can be very large (ie. on a major college campus) and should be an S1 occupancy not a U.
G 47-15	312.1 - General	VS	S	N	A	Make sense.
			x			
G 48-15	312.1 Genera 312.1.1 Greenhouses	VS	S	N	A	No change need.
					X	
G 49-15	402, 402.1,402.3, 402.4, [F] 402.5, 402.6, [F] 402.7, 402.8, 507.13	VS	S	N	A	402 deals with more than area limitation for covered and open mall buildings and moving 507 seems inappropriate.
					X	
G 50-15	403, 403.1, 403.2, [F] 403.3, [F] 403.4, [F] 403.4.5, [F] 403.4.6, 403.4.7, [F] 403.4.8, 403.5, 403.6	VS	S	N	A	403 deals with more than area limitation for high rise buildings and moving to 504 seems inappropriate.
					X	
G 51-15	712.1.7 Atriums	VS	S	N	A	
					X	
G 52-15	504.4 Number of stories above grade plane	VS	S	N	A	Inappropriate location

					X	
G 53-15	406, 406.1, 406.2, 406.3, 406.3.1, 406.3.2, 406.3.3, 406.3.4, 406.3.4.1, 406.3.4.2, 406.3.4.3, 406.3.5, 406.3.5.1, 406.3.6	VS	S	N	A	Inappropriate location – parking garages can be U or S occupancy.
					X	
G 54-15	406.4, 406.5, 406.6, 406.7, 406.8	VS	S	N	A	Inappropriate location
					X	
G 55-15	407, [F] 407.6, [F] 407.7, [F] 407.8, 308.3.4.3 (New), 308.4.3.2 (New)	VS	S	N	A	Inappropriate location
					X	
G 56-15	408, 408.1, 408.2, 408.3, 408.4, 408.5, 408.6, 408.7, 408.8, 408.9, [F] 408.10, [F] 408.11	VS	S	N	A	Inappropriate location
					X	
G 57-15	[F] 307.1.1 Uses other than Group H.	VS	S	N	A	Inappropriate location
					X	
G 58-15	602.6 Stages, platforms and technical production areas	VS	S	N	A	Inappropriate location
					X	
G 59-15	304.3 Special amusement buildings	VS	S	N	A	Inappropriate location
					X	
G 60-15	412, 412.1, 412.2, 412.3.1, 412.3, 412.3.2, 412.3.3, 412.3.4, 412.3.4.1, [F] 412.3.5, 412.3.6, 412.3.7, 412.3.7.1, 412.3.8, 412.7, 412.7.1, [F] 412.6, [F] 412.6.1, 412.6.2, [F] 412.6.3, [F] 412.6.4, [F] 412.6.5, [F] 412.6.6, 412.4, 412.4.1, 412.4.2, 412.4.3, 412.4.4, 412.4.5, [F] 412.4.6, [F] 412.4.6.1, [F] 412.4.6.2, 412.5, 412.5.1, 412.5.2, [F] 412.5.3, 412.5.4, 412.5.5, [F] 412.8, [F] 412.8.1, [F] 412.8.2, [F] 412.8.3, [F] 412.8.4, [F] 412.8.5	VS	S	N	A	Inappropriate location
					X	
G 61-15	412, 412.4, 412.4.1, 412.4.2, 412.4.3, 412.4.4, 412.4.5, [F] 412.4.6, [F] 412.4.6.1, [F] 412.4.6.2	VS	S	N	A	Inappropriate location
					X	

G 62-15	413, 413.1, 413.2	VS	S	N	A	Inappropriate location
					X	
G 63-15	414, [F] 414.1, [F] 414.1.1, [F] 414.1.2, [F] 414.1.2.1, [F] 414.1.3, [F] 414.2, [F] 414.2.1, [F] 414.2.2, [F] 414.2.3, [F] 414.2.4, [F] 414.2.5, [F] 414.3, [F] 414.4, [F] 414.5, [F] 414.5.1, [F] 414.5.2, [F] 414.5.2.1, [F] 414.5.2.2, [F] 414.5.3, [F] 414.6, [F] 414.6.1, [F] 414.6.1.1, [F] 414.6.1.2, [F] 414.6.1.3	VS	S	N	A	Inappropriate location

G 64-15	<p>[F] 307.2 Definitions. The following terms are defined in Chapter 2:</p> <p>AEROSOL Level 1 aerosol products. Level 2 aerosol products. Level 3 aerosol products. AEROSOL CONTAINER. BALED COTTON. BALED COTTON, DENSELY PACKED. BARRICADE. Artificial barricade. Natural barricade. BOILING POINT. CLOSED SYSTEM. COMBUSTIBLE DUST. COMBUSTIBLE FIBERS. COMBUSTIBLE LIQUID. Class II. Class IIIA. Class IIIB. COMPRESSED GAS. CONTINUOUS GAS DETECTION SYSTEM. CONTROL AREA. CORROSIVE. CRYOGENIC FLUID. DAY BOX. DEFLAGRATION. DETACHED BUILDING. DETONATION. DISPENSING. EMERGENCY CONTROL STATION. EXHAUSTED ENCLOSURE. EXPLOSION. EXPLOSIVE. High explosive. Low explosive. Mass-detonating explosives. UN/DOTn Class 1 explosives. Division 1.1. Division 1.2. Division 1.3. Division 1.4. Division 1.5. Division 1.6.</p>	VS	S	N	A	
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<p>FABRICATION AREA. FIREWORKS. Fireworks, 1.3G. Fireworks, 1.4G. FLAMMABLE GAS. FLAMMABLE LIQUEFIED GAS. FLAMMABLE LIQUID. Class IA. Class IB. Class IC. FLAMMABLE MATERIAL. FLAMMABLE SOLID. FLAMMABLE VAPORS OR FUMES. FLASH POINT. GAS CABINET. GASROOM. HANDLING. HAZARDOUS MATERIALS. HAZARDOUS PRODUCTION MATERIAL (HPM). HEALTH HAZARD. HIGHLY TOXIC. HPM FLAMMABLE LIQUID. HPM ROOM. IMMEDIATELY DANGEROUS TO LIFE AND HEALTH (IDLH). INCOMPATIBLE MATERIALS. INERT GAS. LIQUID. LIQUID STORAGE ROOM. LIQUID USE, DISPENSING AND MIXING ROOM. ICC COMMITTEE ACTION HEARINGS ::: April, 2015 G83 OWER FLAMMABLE LIMIT (LFL). NORMAL TEMPERATURE AND PRESSURE (NTP). OPEN SYSTEM. OPERATING BUILDING. ORGANIC PEROXIDE. Class I. Class II. Class III. Class IV. Class V. Unclassified detonable. OXIDIZER. Class 4. Class 3. Class 2. Class 1. OXIDIZING GAS. PHYSICAL HAZARD. PHYSIOLOGICAL WARNING THRESHOLD LEVEL.</p>				X	
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G 65-15	416, [F] 416.1, [F] 416.2, [F] 416.2.1, [F] 416.2.2, [F] 416.3, [F] 416.3.1, [F] 416.4, [F] 416.5	VS	S	N	A	Inappropriate location
					X	
G 66-15	417, [F] 417.1, [F] 417.2, [F] 417.3, [F] 417.4	VS	S	N	A	Inappropriate location
					X	
G 67-15	[F]307.1.3 Organic coatings	VS	S	N	A	Inappropriate location
					X	
G 68-15	419, 419.1, 419.1.1, 419.2, 419.3, 419.3.1, 419.3.2, 419.4, [F] 419.5, 419.6, 419.7, 419.8, 419.9	VS	S	N	A	Inappropriate location
					X	
G 69-15	308.3.5 Separation walls and horizontal assemblies 308.3.6 Automatic sprinkler system 308.3.7 Fire alarm systems and smoke alarms 308.3.8 Smoke barriers in Group I-1, Condition 2 308.3.8.1 Refuge area 310.3 Separation walls and horizontal assemblies 310.4 Automatic sprinkler system 310.5 Fire alarm systems and smoke alarms	VS	S	N	A	Inappropriate location
					X	
G 70-15	421, [F] 421.1, [F] 421.2, [F] 421.3, [F] 421.4, [F] 421.4.1, [F] 421.4.2, [F] 421.5, [F] 421.6, [F] 421.6.1, [F] 421.6.2, [F] 421.6.3, [F] 421.6.4, [F] 421.7, [F] 421.8	VS	S	N	A	Inappropriate location
					X	
G 71-15	422, 422.1, 422.2, 422.3, 422.3.1, 422.3.2, 422.3.3, [F] 422.4, [F] 422.5	VS	S	N	A	Inappropriate location
					X	
G 72-15	423, 423.1, 423.1.1, 423.2, 423.3, 423.4	VS	S	N	A	Inappropriate location
					X	
G 73-15	602.6 - Children's play structures	VS	S	N	A	Inappropriate location
					X	
G 74-15	304.5 (New) - Hyperbaric facilities	VS	S	N	A	Inappropriate location
					X	

G 75-15	[F] 426, 426.1, [F] 426.1.1, [F] 426.1.2, [F] 426.1.3, [F] 426.1.4, [F] 426.1.5, [F] 426.1.6, [F] 426.1.7	VS	S	N	A	Inappropriate location
					X	
G 76-15	402.7.6 (New) - Fire command center	VS	S	N	A	Requirement is already in IFC
				X		
G 77-15	402.8.6.1 - Exit passageways	VS	S	N	A	Requirement is clarified
			X			
G 78-15	402.8.7.1 (New) - Utility systems in exit passageways	VS	S	N	A	Electrical wiring and junction boxes in exit passageway can elevate fire hazard within the passageway and can also create trip hazard.
					X	
G 79-15	403.1 - Applicability	VS	S	N	A	
				X		
G 80-15	403.2.1.1 - Type of construction	VS	S	N	A	
				X		
G 81-15	403.5.2 - Additional interior exit stairway	VS	S	N	A	Ancillary spaces for R-2 are used by the same occupants
			X			
G 82-15	403.5.2 - Additional interior exit stairway	VS	S	N	A	Exclusion of R-1 for additional interior exit stairway is not justified.
					X	
G 83-15	403.5.2 - Additional interior exit stairway	VS	S	N	A	The change is consistent with referenced section of 1005.
			X			
G 84-15	403.5.2 - Additional interior exit stairway	VS	S	N	A	
				X		
G 85-15	403.5.3 Stairway door operation	VS	S	N	A	The change will restrict high-rise

	403.5.3.1 Stairway door re-entry 403.5.3.1.1 Stairway re-entry signage				X	building designers with options considering both fire life safety and security of the building.
G 86-15	403.5.3.1	VS	S	N	A	The communication systems should remain and should be connected to the fire command center.
					X	
G 87-15	403.6.1 - Fire service access elevator	VS	S	N	A	Doesn't indicate if all floors are affected by the change.
					X	
G 88-15	404.2 - Use	VS	S	N	A	Change makes little sense. The floor of the atrium will still be restricted as to the fire loading.
				X		
G 89-15	404.2 Use [F] 404.3 Automatic sprinkler protection	VS	S	N	A	An improvement.
			X			
G 90-15	404.5 - Smoke control	VS	S	N	A	Good intentions but poorly written.
					X	
G 91-15	404.5 - Smoke control	VS	S	N	A	Doesn't limit the number of floors above the atrium floor.
					X	
G 92-15	404.6 Enclosure of atriums 709.4.2 Smoke-barrier walls enclosing atriums, areas of refuge or elevator lobbies	VS	S	N	A	A fire barrier already serves as a smoke barrier to some degree..
					X	
G 93-15	404.6 - Enclosure of atriums	VS	S	N	A	Minor change.
			X			
G 94-15	404.6 - Enclosure of atriums	VS	S	N	A	Makes sense.
			X			

G 95-15	406.1 General 406.1.1 Automatic garage door openers and vehicular gates.. 406.1.2 Clear height 406.1.3 Accessible parking spaces. 406.1.4 Floor surfaces. 406.1.5 Sleeping rooms 406.1.6 Fuel dispensing 406.1.7 Electric vehicle charging stations. 406.1.8 Mixed occupancies and separation 406.1.9 Equipment and appliances. 406.1.9.1 Elevation of ignition sources. 406.1.9.1.1 Parking garages. Connection of a parking garage with 406.1.9.2 Public garages. 406.1.9.3 Private garages 406.3 Private garages and carports 406.3.1 Classification 406.4 Public parking garages 406.5 Open parking garages 406.5.4.1 Single use 406.6 Enclosed parking garages 406.7 Motor fuel-dispensing facilities 406.8 Repair garages	VS	S	N	A	The BCAC has made this a done deal even tho there are a lot of changes.
				X		
G 96-15	406.2 Definitions. MECHANICAL-ACCESS OPEN PARKING GARAGES. OPEN PARKING GARAGE. PRIVATE GARAGE. RAMP-ACCESS OPEN PARKING GARAGES. REPAIR GARAGE	VS	S	N	A	Simple definition.
			X			
G 97-15	406.3 - Private garages and carports	VS	S	N	A	A parking garage for tenants may also require accessible guest parking thus CO systems would be required.
					X	
G 98-15	406.3.1 - Classification	VS	S	N	A	The exception makes sense and has limited application.
			X	X ^(A.T)		
G 99-15	406.5.1 - Construction	VS	S	N	A	Doesn't address the number of tiers allowed in Type III or Type V construction.
					X	
G 100-15	TABLE 406.5.4 - OPEN PARKING GARAGES AREA AND HEIGHT	VS	S	N	A	Makes sense.

			X			
G 101-15	TABLE 406.5.4 - OPEN PARKING GARAGES AREA AND HEIGHT	VS	S	N	A	Item No. G100-15 is favored over this one.
					X	
G 102-15	406.6.2 - Ventilation	VS	S	N	A	Clarifies that CO ventilation systems must be exhausted.
			X			
G 103-15	406.6.2 - Ventilation	VS	S	N	A	Proposal should have included NATURAL ventilation.
				X ^(A.T)	X	
G 104-15	407.2.1 - Waiting and similar areas	VS	S	N	A	Clarification was needed.
			X			
G 105-15	407.2.6 - Nursing home cooking facilities	VS	S	N	A	BCAC makes this one a done deal.
				X		
G 106-15	407.4.1.1 - Locking devices	VS	S	N	A	BCAC makes this one a done deal.
				X		
G 107-15	407.5 Smoke barriers 407.5.1 Smoke compartment size 407.5.2 Exit access travel distance	VS	S	N	A	Applies to hospitals.
				X		
G 108-15	407.5 - Smoke barriers	VS	S	N	A	Applies to hospitals.
				X		
G 109-15	407.5 - Smoke barriers	VS	S	N	A	Conflicts with Item G108-15 and appears to be too specific.
					X	
G 110-15	407.5 - Smoke barriers	VS	S	N	A	Conflicts with Item G108-15
					X	
G 111-15	407.5.2 - Independent egress	VS	S	N	A	Applies to hospitals
			X			
G 112-15	407.6 Automatic closing doors	VS	S	N	A	Deletes reference to smoke-detection door

	709.5.1 Group I-2 and ambulatory care facilities				X	activation. But, only applies to hospitals.
G 113-15	408.9 - Windowless buildings	VS	S	N	A	Applies to prisons.
				X		
G 114-15	410.3.4 - Proscenium wall	VS	S	N	A	Makes sense.
			X			
G 115-15	412.3 Airport traffic control towers 412.3.1 Construction 412.3.1.2 Structural integrity of interior exit stairways and elevator hoistway enclosures 412.3.1.3 Sprayed fire-resistant materials (SFRM) 412.3.2 Means of egress and evacuation 412.3.3 Emergency Systems 412.3.3.2 Fire command center 412.3.3.3 Smoke removal 412.3.4.1 Fire pump room	VS	S	N	A	Specific to aircraft traffic control towers.
				X		
G 116-15	412.3.4 Number of exits 412.3.4.1 Interior finish 412.3.4.2 Two exits or exit access doorways	VS	S	N	A	Specific to aircraft traffic control towers.
				X		
G 117-15	412.3.7 Elevator protection 909.20.6.1 Ventilation systems [F] 913.2.2 Circuits supplying fire pumps. [F] 2702.3 Critical circuits 3007.8.1 Protection of wiring or cables	VS	S	N	A	Extensive code change that may not be necessary.
					X	
G 118-15	420.2 - Separation walls	VS	S	N	A	Don't know why the exceptions are needed.
				X		
G 119-15	420.1 General 420.2 Separation walls 420.3 Horizontal separation	VS	S	N	A	Don't know why the exceptions are needed.
				X		
G 120-15	420.7 (New) - Assisted living housing units	VS	S	N	A	No harm – no foul. Applies to hospitals that have assisted living areas.
				X		
G 121-15	420.7 Dormitory cooking facilities	VS	S	N	A	These provisions are not needed.

	420.7.1 Cooking appliances 420.7.2 Cooking appliances in sleeping rooms				X	
G 122-15	420.7 (New) - Visual access	VS	S	N	A	A door peephole is not needed. However, we may need to look at the accessibility requirement.
					X	
G 123-15	420.8 Group I-1 cooking facilities 420.8.1 Cooking facilities open to the corridor 420.9 Group R cooking facilities	VS	S	N	A	Applies to hospitals.
				X		
G 124-15	422.2 Separation [F] 903.2.2 Ambulatory care facilities	VS	S	N	A	Changed the definition of ambulatory.
				X		
G 125-15	422.6 Electrical systems 604.2.1(IBC [F] 2702.2.1) Ambulatory care facilities	VS	S	N	A	Applies to hospitals.
				X		
G 126-15	424.1 - Children's play structures	VS	S	N	A	Absolute necessity for children play areas.
			X			
G 127-15	427.1 Medical gas systems	VS	S	N	A	
				X		
G 128-15	427.1 General 427.2 Height in feet 427.3 Number of stories 427.4 Allowable area	VS	S	N	A	Insufficient reasoning
					X	
G 129-15	503.1 - General	VS	S	N	A	Some states allow already
				X ^(A.T)	X	
G 130-15	503.1 Genera 706.1 General	VS	S	N	A	Not needed
					X	
G 131-15	503.1.4 Occupied roofs 1004.5 Outdoor areas	VS	S	N	A	

G 132-15	Buildings on same property and buildings containing courts	VS	S	N	A	What happens to considering all buildings on site as one.
			X ^(A.T)		X	
G 133-15	TABLE 504.3 ALLOWABLE BUILDING HEIGHT IN FEET ABOVE GRADE PLANE TABLE 504.4 ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE a, b TABLE 506.2 ALLOWABLE AREA FACTOR (At = NS, S1, S13R, or SM, as applicable) IN SQUARE FEET a, b TABLE 803.11 INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY ^k TABLE 1006.2.1 SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY TABLE 1017.2 EXIT ACCESS TRAVEL DISTANCE ^a TABLE 1020.1 CORRIDOR FIRE-RESISTANCE RATING	VS	S	N	A	
				X		
G 134-15	504.4 - Number of stories	VS	S	N	A	Would support but don't know what the unintended consequences may be by treating occupied roof as a story
				x		
G 135-15	504.5 (New) - Fire apparatus access roads	VS	S	N	A	
					X	
G 136-15	505.2 - Mezzanines	VS	S	N	A	
					X	
G 137-15	505.2.1 Area limitation 505.2.1.1 Aggregate area of mezzanines and equipment platforms 505.3.1 Area limitation	VS	S	N	A	Good clarification
		X				
G 138-15	505.2.1 - Area limitation	VS	S	N	A	
					X	
G 139-15	505.2. - Openness	VS	S	N	A	Good clarification
		X				
G 140-15	506.1.4 (New) - Allowable area for buildings in disaster prone regions	VS	S	N	A	No way!
					X	

G 141-15	TABLE 506.2 ALLOWABLE AREA FACTOR (At = NS, S1, S13R, or SM, as applicable) IN SQUARE FEET a, b	VS	S	N	A	
G 142-15	506.3 Frontage increase 506.3.1 Minimum percentage of perimeter	VS	S	N	A	
					X	
G 143-15	506.3.1 Minimum percentage of perimeter	VS	S	N	A	
			X ^(A.T)	X		
G 144-15	506.3.3 Amount of increase 506.3.3.1 Type II construction 506.3.3.2 Type III, IV and V Construction	VS	S	N	A	Over complicates the code
					X	
G 145-15	507.2 Measurement of open spaces	VS	S	N	A	
				X X ^(A.T)		
G 146-15	507.4 - Sprinklered, one-story buildings	VS	S	N	A	Can already do this
					X	
G 147-15	508.2.3 - Allowable building area	VS	S	N	A	
				X		
G 148-15	508.3.1 - Occupancy classification	VS	S	N	A	
				X		
G 149-15	508.3.2 Allowable building area, height and number of stories 508.4.3 Allowable building height and number of stories	VS	S	N	A	Editorial
			X			
G 150-15	508.4.1 - Occupancy classification	VS	S	N	A	
					X	
G 151-15	508.4.1 Occupancy classification TABLE 508.4 REQUIRED SEPARATION OF OCCUPANCIES (HOURS)	VS	S	N	A	
					X	

G 152-15	508.4.4.2 (New) - Fire-resistance ratings	VS	S	N	A	No way
					X	
G 153-15	508.4.5 (New) - Exterior walls	VS	S	N	A	
					X	
G 154-15	TABLE 509 INCIDENTAL USES	VS	S	N	A	
			X			
G 155-15	TABLE 509 INCIDENTAL USES	VS	S	N	A	
			X			
G 156-15	TABLE 509 INCIDENTAL USES	VS	S	N	A	
			X			
G 157-15	TABLE 509 INCIDENTAL USES 509.5 Electrical room construction TABLE 716.5 OPENING FIRE PROTECTION ASSEMBLIES, RATINGS AND MARKINGS	VS	S	N	A	Unnecessary
					X	
G 158-15	509.3	VS	S	N	A	
			X			
G 159-15	TABLE 509, 509.1, 509.2, 509.3, 509.4, 509.4.1, 509.4.2, 509.4.2.1	VS	S	N	A	
					X	
G 160-15	510.2 - Horizontal building separation allowance	VS	S	N	A	
					X	
G 161-15	510.2 - Horizontal building separation allowance	VS	S	N	A	-Good clarification -Recommend improving proposed language to make it better but otherwise support intent ^(A.T)
			X ^(A.T)			
G 162-15	510.2 - Horizontal building separation allowance	VS	S	N	A	
				X		

G 163-15	510.2 Horizontal building separation allowance TABLE 510.2 TYPE IV BUILDING BELOW, PROTECTION CRITERIA	VS	S	N	A	Material interest
					X	
G 164-15	510.5 Group R-1 and R-2 buildings of Type IIIA construction 711.2.3 Supporting construction 711.2.4.1 Separating mixed occupancies 711.2.4.3 Dwelling units and sleeping units	VS	S	N	A	
					X	
G 165-15	510.12 (New) - Group R-1 and R-2 buildings of Type IV HT construction	VS	S	N	A	
					X	
G 166-15	SECTION 511—OCCUPIED ROOFS 511.1 General 511.2 Enclosure of occupied roof 511.3 Fall protection 511.4 Interstitial spaces	VS	S	N	A	
G 167-15	TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)	VS	S	N	A	Too redundant
					x	
G 168-15	TABLE 602 FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE a, d, g	VS	S	N	A	Provides clarity for R-3 occupancies
		x				
G 169-15	TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)	VS	S	N	A	Could useful in some cases/situations
			x			
G 170-15	602.1 General TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)	VS	S	N	A	This amendment organizes the section a little better
			x			

G 171-15	602.1 General 602.1.1.1 Buildings in high risk areas	VS	S	N	A	
G 172-15	602.3 Type III	VS	S	N	A	Provide more consistency
		x				
G 173-15	602.3 Type III	VS	S	N	A	The term framing is not needed
		x				
G 174-15	602.4.1 Fire-retardant-treated wood in exterior walls	VS	S	N	A	The term framing is not needed
		x				
G 175-15	602.3 Type III 602.4.1 Fire-retardant-treated wood in exterior walls	VS	S	N	A	It's good to add the term sheathing here for clarity
		x	X ^(A.1)			
G 176-15	602.3 Type III 602.4 Type IV 602.4.8 Nonbearing partitions and walls	VS	S	N	A	Clarification of terms is better this way
		x				
G 177-15	602.3 Type III	VS	S	N	A	This does not clarify the questions related to Type III construction
				x		
G 178-15	602.4 Type IV	VS	S	N	A	This does clarify things in this section.
			x			
G 179-15	602.4 Type IV 602.4.1 Fire-retardant-treated wood in exterior walls 602.4.2 Cross-laminated timber in exterior walls 2304.11 Heavy timber construction 2304.11.1 Details of heavy timber structural members 2304.11.1.1 Columns 2304.11.4.2 Sawn, wood structural panel, or glued-laminated plank roofs TABLE 2304.11 MINIMUM DIMENSIONS OF HEAVY TIMBER STRUCTURAL MEMBERS	VS	S	N	A	This amendment organizes things better
			x			

G 180-15	406.7.2 Canopies TABLE 601 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS) 705.2.3 Combustible projections 803.3 Heavy timber exemption 803.13.3 Heavy timber construction 1406.3 Balconies and similar projections [BG] 1510.2.5 Type of construction [BG] 1510.3 Tanks 3105.3 Design and construction D102.2.8 Permanent canopies 803.1 General	VS	S	N	A	This does provide clarity to this section
			x			
G 181-15	602.4 Type IV 602.4.6 Floors 602.4.7 Roofs 602.4.10 Concealed spaces	VS	S	N	A	It's good to have this level of protection added to concealed space.
		x				
G 182-15	602.4.2 Cross-laminated timber in exterior walls 602.4.8.2 Exterior walls	VS	S	N	A	This is a new section and it needs this clarification
		x				
G 183-15	602.4.8.2 Exterior walls	VS	S	N	A	This is a format change and it make better sense to have it written this way
			x			
G 184-15	602.4.8.2 Exterior walls	VS	S	N	A	Same as G 183. Either way is fine
			x			
G 185-15	603.1 Allowable materials	VS	S	N	A	Includes the requirements of section 1406.3
		x	X ^(A.1)	x		
G 186-15	1203.2 Roof ventilation	VS	S	N	A	Recommend revising code section numbering.
			x			
G 187-15	1203.3 Unvented attic and unvented enclosed rafter assemblies	VS	S	N	A	Editorial change correcting typo in code. Recommend yes vote.
			x			

G 188-15	TABLE 1203.3 INSULATION FOR CONDENSATION CONTROL	VS	S	N	A	Change is trivial for ICC-LA basin members.
				x		
G 189-15	1203.4 Under-floor ventilation 1203.4.1 Ventilation openings. 1203.4.1.1 Ventilation area for crawl spaces with open earth floors 1203.4.1.2 Ventilation area for crawl spaces with covered floors 1203.4.2 Ventilation in cold climates 1203.4.3 Mechanical ventilation 1203.4.3.1 Continuous mechanical ventilation 1203.4.3.2 Conditioned space	VS	S	N	A	Code change proposal organizes section 1203.4 into a logical format. Recommend yes vote.
			X			
G 190-15	1207.2 Air-borne sound 1207.3 Structure-borne sound	VS	S	N	A	Code change proposal adds language that is subjective. Recommend no vote.
					X	
G 191-15	1208.3 Room area 1208.4 Efficiency dwelling units	VS	S	N	A	Definition for efficiency dwelling unit is already address in California codes. Recommend no vote.
					X	
G 192-15	2701.1 Scope [M] 2801.1 Scope [P] 2901.1 Scope	VS	S	N	A	Scoping change does not affect adopted code in California.
				x		
G 193-15	2901, [P] 2901.1, 2902, [P] 2902.1, [P] TABLE 2902.1, [P] 2902.1.1, [P] 2902.1.2, [P] 2902.2, [P] 2902.2.1, [P] 2902.3, [P] 2902.3.1, [P] 2902.3.2, [P] 2902.3.3, [P] 2902.3.4, [P] 2902.3.5, [P] 2902.3.6, [P] 2902.4, [P] 2902.4.1, [P] 2902.5, [P] 2902.6	VS	S	N	A	Scoping change does not affect adopted code in California.
				x		
G 194-15	3001.2 Referenced standards TABLE 3001.2 ELEVATORS AND CONVEYING SYSTEMS AND COMPONENTS	VS	S	N	A	Code change proposal introduces easy to understand table. Recommend yes vote.
			X			
G 195-15	3001.2 Referenced standards TABLE 3001.2 ELEVATORS AND CONVEYING SYSTEMS AND COMPONENTS	VS	S	N	A	Code change proposal fails to justify need for change in code. Recommend no vote.
					x	

G 196-15	3004.1 General 3004.5 Automotive Lifts	VS	S	N	A	Code change proposal adds labeling and listing requirement for automotive lifts. Recommend yes vote.
			X			
G 197-15	3004.2.2 Escalators	VS	S	N	A	Yes vote recommended. Also recommended that deleted exception be included in IEBC.
			x			
G 198-15	3005.4 Machine rooms, control rooms, machinery spaces, and control spaces	VS	S	N	A	Logical change. Recommend yes vote.
			X			
G 199-15	3005.7 (New) Fire service access and occupant evacuation elevator machine rooms	VS	S	N	A	Code already addresses fire service access elevator machine rooms. Unnecessary change. Recommend no vote.
					X	
G 200-15	3006.2 Hoistway opening protection required	VS	S	N	A	Code change proposal language reduces protection. Recommend no vote.
					x	
G 201-15	3006.2.1 Rated corridors 1020.1.1(IFC [BE] 1020.1.1) Hoistway opening protection	VS	S	N	A	Hoistway opening in rated corridors already addressed in code. Recommend no vote.
					X	
G 202-15	405.4.3 Elevators 708.1 General 716.5.9.3 Smoke-activated doors [F] 907.5.2.1 Audible alarms 3006.4 Means of egress 3007.6 Fire service access elevator lobby 3007.6.1 Access to interior exit stairway or ramp 3007.6.3 Lobby doorways 3007.9 Standpipe hose connection 3007.9.1 Access 3008.6 Occupant evacuation elevator lobby	VS	S	N	A	Code change proposal language is unnecessary and does not improve code intent. Recommend no vote.
					X	
G 203-15	3007.1 General	VS	S	N	A	Code change proposal clarifies fire

			X			service access elevator intent in enclosed parking garages. Recommend yes vote.
G 204-15	3007.3 Water protection 3008.3 Water protection	VS	S	N	A	Clarification to code. Recommend yes vote.
			x			
G 205-15	3007.1 General	VS	S	N	A	G203-15 addresses changes to code. Recommend no vote.
					X	
G 206-15	3007.8 Electrical power 3007.8.1 Standby power evaluation and analysis	VS	S	N	A	Code change proposal reduces standby power duration without providing a minimum duration requirement. Recommend no vote.
					X	
G 207-15	3008.1 General 3008.1.1 Number of occupant evacuation elevators 3008.8.1 Determination of standby power load	VS	S	N	A	Language change needed to better improve intent. Recommend no vote.
					X	
G 208-15	3008.1 General 3008.6.1 Access to interior exit stairway or ramp	VS	S	N	A	Language change needed to better improve intent. Recommend no vote.
					X	

G 209-15	<p>202 (New), 3001.1 (New), 3002 (New), 3003 (New), 3004 (New), 3005 (New), 3006 (New), 3007 (New), 3008 (New). CHAPTER 35 3001.1 Intent 3001.2 Required Table 3001.2 3002.1 Membrane materials 3002.2 Tape 3002.3 Mastic 3002.4 Installation 3002.5 Seams 3002.6 Slab edges and joints 3002.7 Penetrations 3002.8 Punctures, cuts and tears 3002.9 Mastics 3002.10 Repairs 3003.1 General 3003.2 Concrete for slab-on-grade construction. 3003.2.1 Compressive strength 3003.2.2 Shrinkage control 3003.3 Sealing of construction joints, penetrations, cracks and other connections 3003.3.1 Sealants 3003.3.2 Joints 3003.3.3 Cracks 3003.3.4 Stakes, pipe penetrations and other small objects 3004.1 General 3004.2 Materials 3004.3 Waterproofing 3004.3.1 Application 3004.3.2 Utility penetrations 3004.4 Doors and service openings 3005.1 General 3005.1.1 Reinforced concrete floor systems 3005.1.2 Wood-framed floor systems 3005.2 Materials 3005.3 Utility penetrations 3005.4 Vertical joints</p>	VS	S	N	A	
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	3005.5 Doors and service openings 3005.6 Other radon-entry paths 3005.7 Crawl space ventilation 3005.7.1 Required ventilation 3005.7.2 Prohibited uses 3006.1 General 3006.2 Condensate drains 3006.3 Other piping 3006.4 Plumbing and wiring chases 3007.1 Air distribution systems 3007.2 Exhaust fans, hoods, equipment and appliances 3007.3 Combustion air ducts 3008.1 General 3008.2 Prohibited uses 3008.3 System components 3008.3.1 Pressure distribution media or manifold 3008.3.2 Soil cover 3008.3.3 Radon vents 3008.3.4 Suction fans 3008.3.5 Fan failure indicator 3008.4 Active soil-depressurization system design requirements. 3008.4.1 General 3008.4.2 Ventilation mat systems. 3008.4.2.1 Installation 3008.4.2.2 Alternate compliance method 3008.4.2.3 Radon vent connection 3008.4.3 Perforated pipe systems		X			
G 210-15	3008.8, 3008.8.1 (New) 3008.8 Electrical power 3008.8.1 Standby power evaluation and analysis	VS	S	N	A	Leave the 2 hour standby power requirement. By what criteria can the building department approve the report?
					X	

G 211-15	3101.1, 3111, 3111.1, 3111.1.1, 3111.1.1 (New), 3111.1.2 (New), 3111.1.3 (New), 3111.2 (New), 3111.2.1 (New), 3111.3 (New), 3111.3.1 (New), 3111.3.2 (New), 3111.3.3 (New), 3111.3.4 (New), 3111.3.5 (New), 3111.3.5.1 (New) 3101.1 Scope 3111.1 General 3111.1.1 Wind resistance 3111.1.2 Roof live load 3111.2 Solar thermal systems 3111.2.1 Equipment listings 3111.3 Photovoltaic solar energy systems 3111.3.1 Equipment listings 3111.3.2 Fire classification 3111.3.3 Building integrated photovoltaic systems. 3111.3.4 Access and pathways 3111.3.5 Ground mounted photovoltaic systems 3111.3.5.1 Fire separation distances	VS	S	N	A	Just clarify and reorganize
			X			
G 212-15	3102.1.1 Tensile membrane structures and air-supported structures	VS	S	N	A	Reference to standard ASCE55 and clarify inclusion of air-support in standard
			X			
G 213-15	3102.1, 3103.1, 3103.5 3102.1 General 3103.5 (New) Structural design	VS	S	N	A	Requires structural for big tents
			X			
G 214-15	3103.5 (New), 3103.5.1 (New) 3103.5 Accessibility 3103.5.1 Temporary outdoor performance areas	VS	S	N	A	Debatable if it pass the State accessible and Federal ADA interpretation.
				X		
G 215-15	3104.3 Construction	VS	S	N	A	
				X		
G 216-15	3104.5.2.2 Glass	VS	S	N	A	Clarification of Glazing in walkway
			X			
G 217-15	3104.9 Exit access travel	VS	S	N	A	Clarification for exit access in pedestrian walkway
			X			
G 218-15	3105.1 General	VS	S	N	A	

			X			
G 219-15	202 (New), 3105.3 Design and construction	VS	S	N	A	Define trellis.
			X			
G 220-15	3105.4 Awnings and canopy materials	VS	S	N	A	Options for awning fire compliance methods
				X		
G 221-15	3111, 3111.1, 3111.1.1, 3111.1.1.1 (New), 3111.1.1.2 (New) 3111.1 General. 3111.1.1 Rooftop-mounted photovoltaic panels and modules 3111.1.1.1 Height and area 3111.1.1.2 Fire-resistance	VS	S	N	A	Add regulations for PV
			X			
G 222-15	3112 (New), 3112.1 (New), 3112.2 (New), 3112.3 (New), 3112.4 (New), 3112.5 (New), 3112.6 (New), 3112.6.1 (New) 3112.1 General. 3112.2 Accessibility 3112.3 Structural design 3112.4 Glass and glazing 3112.5 Light-transmitting plastics 3112.6 Membrane structures 3112.6.1 Plastic film	VS	S	N	A	Reorganize code to group "greenhouse" into 3112.
			X			
G 223-15	202 (New), 107.2.7 (New), 3101.1, 3112 (New), 3112.1 (New), 3112.1.1 (New), 3112.2 (New), 3112.3 (New), 3112.4 (New) 107.2.7 Relocatable buildings 3101.1 Scope 3112.1 General. 3112.1.1 Compliance 3112.2 Supplemental information 3112.3 Manufacturer's data plate. 3112.4 Inspection agencies	VS	S	N	A	
				X		
G 224-15	3112 (New), 3112.1 (New), 3112.2 (New) 3112.1 Scope 3112.2 Flood resistance	VS	S	N	A	
				X		

G 225-15	3302.3 Fire safety and security during construction	VS	S	N	A	Add security requirement to construction site.
			X			
G 226-15	3302.3, 3302.3.1 (New) 3302.3 Fire safety during construction 3302.3.1 Special requirements for Type V buildings with combustible framing material	VS	S	N	A	Sounds like a good Idea, but it may be more of a competition against the wood construction from the concrete and steel people.
				X		
G 227-15	3304.1.5 (New) Burial of construction debris	VS	S	N	A	Allow for burying construction debris for ½ acre and bigger.
					X	
G 228-15	3304.2 (New) Access for fire fighting	VS	S	N	A	Allow for better fire-fighting access during construction
			X			
G 229-15	3310.1, [F] 3311.1 3310.1 Stairways required [F] 3311.1 Where required	VS	S	N	A	Temp stairs requirement down to 40'
			X			
G 230-15	Section 3312.1 (New) Completion during construction	VS	S	N	A	
			X			
G 231-15	3314 (New), 3314.1 (New) 3314.1 General	VS	S	N	A	Surprised that it's not already in code
		X				
G 232-15	3314 (New), 3314.1 (New) 3314.1 Fire watch.	VS	S	N	A	Not sure how effective this will be.
					X	
G 233-15	1103.1 Enclosure walls	VS	S	N	A	
				X		
G 234-15	APPENDIX N (New) N101.1 Purpose N102.1 General N103.1 Referenced guidelines	VS	S	N	A	This sounds like standard plans. OK for the appendix for now.
				X		

G 235-15	APPENDIX N(New) N101.1 Purpose N101.2 Objectives N102.1 Definitions N103.1 Prototypical construction documents N104.1 General N104.1.1 Architectural plans and specifications N104.1.2 Structural plans, specifications, and engineering details. N104.1.3 Energy conservation details N105.1 General N105.2 Documentation N105.3 Deficiencies N105.4 Approval N106.1 Genera N106.2 Submittal documents N106.2.1 Architectural plans and specifications. N107.1 General. N107.2 Site specific review and approval of replicable design	VS	S	N	A	This sounds like standard plans. OK for the appendix for now.
				X		
G 236-15	N101 (New), N102 (New), N103 (New), N104 (New), N105 (New), N106 (New), N107 (New), N108 (New), N109 (New), N110 (New), N111 (New) N101.1 Purpose N102.1 Genera N102.2 Building height, number of stories and allowable area N102.2.1 Height in feet N102.2.1.1 Towers, spires, steeples and other roof structures N102.2.2 Number of stories N102.2.3 Allowable area factor, At	VS	S	N	A	In theory this sounds good to have more resilient buildings, but the economic reality is that builders tend to want to build the cheapest cost building.
			X			
G 237-15	202 ATTIC	VS	S	N	A	Clarification
		X				