



ICC 700 Project Summary and Checklist, One and Two Family New Construction

Summary						
Date of Application						
Compliance Path						
Project Identification						
Project Address						
Owner Identification						
Architect Identification						
Contractor Identification						
Third Party Provider						Registration No.
Building Code	IRC	IBC Residential Occupancy				
Type of Building	Single Family	Duplex	Townhouse**	IBC Group R Occupancy: (circle one) R-1. R-2. R-3. R-4		Multifamily
Number of:	Stories	Bedrooms	Baths			
Garage	Attached	Detached	Carport	None		
Building Sq. Footage	Lot Size:		Building Total Sq. Ft:		Area Under Roof:	Total Nonroof Area:
	IECC Climate Zone: 2A					
Performance Level	Points Attempted:		Points Awarded:			
Note: Buildings shall be designed and constructed in accordance with the Energy provisions of Dallas Energy code. Compliance with IECC must be demonstrated separately by City of Dallas registered Third Party Energy Inspector ** Townhouse: As defined by the Dallas Residential Code; may not be multifamily building						



ICC 700						
Item	Green Building Practice	Compliance		Points Awarded	Plan Review/ Inspection	Comments
		Yes	No			
	Chapter 4 Site Design and Development	Maximum Points Available: 326				Refer to ICC 700 Standard Plan Review: Verify information is on drawings Inspection: Verify construction is same as drawings and submittal data
401	Site Selection					
401.1	Infill Site: Infill site selected					
401.2	Greyfield/Brownfield Site: EPA recognized site selected					
402	Project Team, Mission Statement, and Goals					Verify at green building plan review
402.1	Team: 1) Knowledgeable 2) Roles identified					
402.2	Training: Onsite training for supervisors and team members regarding green development practices					
402.3	Project Checklist: Green development practice checklist					
403	Site Design					Verify at green building plan review
403.1	Natural Resources 1) Inventory for site plan 2) Written plan for natural resources during construction 3) Builder's team participates in conservation program 4) Built features located to conserve vegetation					
403.2	Building Orientation					Verify at green building plan review
403.3	Slope Disturbance: 1) Steep slope avoided 2) Soil study 3) Roads align with topography 4) Erosion reduction strategies					





ICC 700						
Item	Green Building Practice	Compliance		Points Awarded	Plan Review/ Inspection	Comments
		Yes	No			
403.4	Soil Disturbance and Erosion 1) Minimize soil exposure 2) Utilities installed using alternative methods 3) Clearing and grading limits indicated on drawings					
403.5	Stormwater Management 1) Natural water and drainage features preserved 2) Stormwater management plan 3) Permeable paving					
403.6	Landscape Plan 1) Restoration plan 2) Conservation of native trees 3) Native vegetation 4) Limitation of turf areas 5) Water zones 6) Increased shading 7) Vegetative wind breaks 8) On site mulching 9) Integrated pest management plan 10) Landscape water system includes moisture based controller 11) Preservation of trees					
403.7	Wildlife Habitat					
403.8	Operation and Maintenance Plan					
3.9	Existing Building Reuse					
403.10	Existing and Recycled Materials 1) Reuse of existing pavement and curbs 2) Recycled asphalt or concrete					





ICC 700						
Item	Green Building Practice	Compliance		Points Awarded	Plan Review/ Inspection	Comments
403.11	Environmentally Sensitive Areas 1) Avoided 2) Mitigated or restored					
403.12	Density: Average per acre					
403.13	Mixed Use Development					
404	Site Development and Construction					Verify at green building plan review
404.1	On Site Supervision and Coordination					
404.2	Trees and Vegetation 1) Protective fencing 2) Tree root zones protected 3) Tree damage mitigated					
4.3	Soil Disturbance and Erosion 1) Clearing and grading limits shown on drawings 2) No disturbance zones 3) Sediment and erosion controls 4) Topsoil stockpiled and covered for reuse 5) Reduce soil compaction from heavy equipment 6) Disturbed areas stabilized within 14 days 7) Soil amendments					
404.4	Wildlife Habitat 1) Habitat maintained 2) Wildlife habitat measures instituted 3) Open space preserved 4) Builder participated in wildlife conservation program					
405	Innovative Practices					Verify at green building plan review
405.1	Driveways and Parking Areas					
405.2	Street Widths					
405.3	Cluster Development					





ICC 700						
Item	Green Building Practice	Compliance		Points Awarded	Plan Review/ Inspection	Comments
405.4	Zoning					
405.5	Wetlands					
405.6	Mass Transit					
	Chapter 5 Lot Design, Preparation, and Development	Maximum Points Available: 263				Verify at green building plan review
501	Lot Selection					Verify at green building plan review
501.1	Lot: 1) Infill site selected 2) Greyfield lot or EPA recognized brownfield lot					
501.2	Greyfield/Brownfield Site: EPA recognized site selected					
502	Project Team, Mission Statement, and Goals					Verify at green building plan review
502.1	Knowledgeable, roles identified					
503	Lot Design					Verify at green building plan review; final inspection
503.1	Natural Resources 1) Inventory for site plan 2) Written conservation plan during construction 3) Protection of listed items 4) Basic training for on site supervisor 5) Tree pruning by certified arborist 6) On going vegetative maintenance					
503.2	Slope Disturbance: 1) Steep slope avoided 2) Soil study 3) Roads align with topography 4) Long term erosion reduction strategies 5) Underground parking uses natural slope					





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Item	Green Building Practice	Compliance		Points Awarded	Plan Review/ Inspection	Comments
503.3	Soil Disturbance and Erosion 1) Minimize soil exposure 2) Utilities installed using alternative methods 3) Clearing and grading limits indicated on drawings					
503.4	Stormwater Management 1) Natural water and drainage features preserved 2) Stormwater management plan 3) Permeable paving 4) Vegetative roof, 75%					
503.5	Landscape Plan 1) Restoration plan 2) Native vegetation 3) Limitation of turf areas 4) Water zones 5) Increased shading 6) Vegetative wind breaks 7) On site mulching 8) IPM plan					
503.6	Wildlife Habitat					
503.7	Mixed Use Development					
503.8	Environmentally Sensitive Areas 1) Avoided 2) Mitigated or restored					
503.9	Density: Average per acre					
504	Lot Construction					Verify at green building plan review; final inspection
504.1	On Site Supervision and Coordination					
504.2	Trees and Vegetation 1) Protective fencing 2) Tree root zones protected 3) Tree damage mitigated					



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Item	Green Building Practice	Compliance		Points Awarded	Plan Review/ Inspection	Comments
504.3	Soil Disturbance and Erosion					
	1) Clearing and grading limited shown on drawings					
	2) No disturbance zones					
	3) Sediment and erosion controls					
	4) Topsoil stockpiled and covered for reuse					
	5) Reduce soil compaction from heavy equipment					
	6) Disturbed areas stabilized within 14 days					
	7) Soil amendments					
	8) Utilities installed using alternative means					
505	Innovative Practices					Submitted for approval at plan review
505.1	Driveways and Parking Areas					
505.2	Heat Island Mitigation					
	1) Shading of hardscape 2) Light colored hardscape					
	Chapter 6 Resource Efficiency	Maximum Points Available: 290				
601	Quality of Construction Materials and Waste					Review at green plan review; as construction submittals, verify at intermediate and final inspection
601.1	Conditioned Floor Area calculation					
601.2	Material Usage					
601.3	Building Dimensions and Layout					
	1) Floor area					
	2) Wall area					
	3) Roof area					
	4) Cladding or siding area 5) Penetrations and trim areas					
601.4	Framing and Structural Plan					





ICC 700						
Item	Green Building Practice	Compliance		Points Awarded	Plan Review/ Inspection	Comments
601.5	Prefabricated Components 1) Floor system 2) Wall system 3) Roof system 4) Modular construction 5) Manufactured home					
601.6	Stacked Stories 1) First stacked story 2) Each additional stacked story					
601.7	Site Applied Finishing Materials 1) 90% 2) 50%					
601.8	Foundations					
601.9	Above Grade Wall Systems					
602	Enhanced Durability and Reduced Maintenance					Verify at green building plan review; review as construction submittals, verify at inspections and final inspection
602.1	Exterior Doors					
602.2	Roof Overhangs					
602.3	Foundation Drainage 1) Drain tile 2) Perimeter drains					
602.4	Drip Edge					
602.5	Roof Water Discharge					
602.6	Finished Grade					
602.7	Termite Barrier					
602.8	Termite Resistant Materials					
602.9	Water Resistive Barrier					
602.10	Ice Barrier					
602.11	Foundation Waterproofing					
602.12	Flashing					
602.13	Roof Surfaces					
602.14	Recycling 1) Built in collection space 2) Compost					



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Item	Green Building Practice	Compliance		Points Awarded	Plan Review/ Inspection	Comments
603	Reused or Salvaged Materials					Verify at green building plan review; review as construction submittals, verify at final inspection
603.1	Existing Building Reused (up to 12 points)					
603.2	Salvaged Materials					
603.3	Scrap Materials					
604	Recycled Content Building Materials					Verify at green building plan review; review as construction submittals, verify at intermediate and final inspections
604.1	Recycled Content (See Table 604.1 for points)					
605	Recycled Construction Waste					Verify at green building plan review; review as construction submittals, verify at intermediate and final inspections
605.1	Construction Waste Management Plan					
605.2	On Site Recycling					
605.3	Recycled Construction Materials					
606	Renewable Materials					Verify at green building plan review; review as construction submittals, verify at intermediate and final inspections
606.1	Biobased Products (up to 8 points) 1) Two types for 0.5% 2) Two types for 1% 3) Each additional type for 0.5%					
606.2	Wood Based Products					
606.3	Manufacturing Energy					
607	Resource Efficient Materials					
607.1	Resource Efficient Materials (up to 9 points)					
608	Indigenous Materials					
608.1	Indigenous Materials 1) One type 2) Each additional type					
609	Life Cycle Analysis					Review by Final Inspection
609.1	Life Cycle Analysis 1) Per product comparison 2) Whole Building LCA					



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Item	Green Building Practice	Compliance		Points Awarded	Plan Review/ Inspection	Comments
610	Innovative Practices					
610.1	Manufacturer's Environmental Management System Concepts (up to 10 points)					Submitted for approval at plan review
	Chapter 7 Energy Efficiency	Maximum Points Available: 120				
701	Minimum Energy Efficiency Requirements					Verify at green building plan review; review as construction submittals, verify at intermediate and final inspections
701.1	Mandatory Requirements					
701.2	Emerald Level Points					
701.3	Adopting Entity Review					
701.4	Mandatory Practices					
	1) HVAC system and industry approved installation					
	2) Duct system sealed per UL 181					
	3) Insulation and air sealing					
	4) Floors, foundations, and crawlspaces					
	5) Walls					
	a) Band joists and rim joist					
	b) Skylights/knee walls					
	c) Exterior features					
	6) Ceilings and Attics					
	a) Attic access					
	b) Recessed lighting					
	c) Eave vents					
	7) Fenestrations					
702	Performance Path					Performance path points cannot be combined with prescriptive path points)
702.1	Point Allocation	NA				
702.2	Energy Cost Performance Levels					
	1) 15%					
	2) 30%					
	3) 50%					
	4) 60%					
703	Prescriptive Path					Prescriptive path points cannot be combined with performance path points)



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Item	Green Building Practice	Compliance		Points Awarded	Plan Review/ Inspection	Comments
703.1	Building Envelope (refer to Table 703.1.1 for total building thermal envelope) (refer to Table 703.1.2 for insulation grades)					1. Refer to ICC 700 Table 703.1.1 for total building thermal envelope 2. Refer to ICC 700 Table 703.1.2 for insulation grades
703.2	Insulation and Air Sealing 1) Third party verification 2) No third party verification 3) Air and thermal barriers 4) Plumbing and wiring 5) Walls					
703.3	Fenestration: NFRA certified or equivalent and SHGC for windows, exterior doors, skylights, and tubular daylighting devices					Refer to ICC 700 Table 703.3.1a for U values and SHGC
703.4	HVAC Equipment Efficiency 1) Combination space heating and water heating system 2) Furnace/boiler efficiency 3) Boiler equipped with temperature reset control 4) Efficient heat pump 5) Efficient cooling 4) Ground source heat pump 5) Energy Star ceiling fans 6) Whole dwelling unit fans with insulated louvers and sealed enclosure 7) Energy Star programmable thermostat					Refer to ICC 700 Tables 703.4.2 for types of heaters
703.5	Water Heating Design, Equipment, and Installation 1) Water heater Energy Factor 2) Drain water heat recovery 3) Insulating hot water pipes and lines					Refer to ICC 700 Table 703.5.1
704	Additional Practices					Submitted for approval at plan review
704.1	Application of Additional Practice Points					





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Item	Green Building Practice	Compliance		Points Awarded	Plan Review/ Inspection	Comments
704.2	Lighting and Appliances					
	1) Hardwired lighting installation					
	2) Recessed lighting fixture penetration					
	3) Occupancy sensors					
	4) Energy Star Appliances					
704.3	Renewable Energy and Solar Heating and Cooling					
	1) Solar space heating and cooling					
	2) Automated solar protection (shading)					
	3) Passive solar heating design					
	4) Solar Water Heating					
704.4	Ducts: System properly sized					
704.5	HVAC Design and Installation					
	1) Compliance with ACCA Manual D					
	2) Certified contractor/ technician					
	3) Performance verification					
	4) Alternative refrigerant					
704.6	Installation and Performance Verification					
	1) Third party onsite verification					
	2) Third party testing					
	3) Balanced system					
705	Innovative Practices					Submitted for approval at plan review
705.1	Energy Consumption Control					
705.2	Renewable Energy Service Plan					
	Chapter 8 Water Efficiency	Maximum Points Available: 288				
801	Indoor and Outdoor Water Use					Plan Review, construction submittals, intermediate inspections, and final inspections: Verify



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Item	Green Building Practice	Compliance		Points Awarded	Plan Review/ Inspection	Comments
801.1	Indoor Hot Water Usage Hot water reduction by: 1) Piping runs less than 40 ft 2) Piping runs less than 30 ft 3) Piping System Design: a) Structure type plumbing with demand controlled hot water loops b) Engineered parallel piping system c) Central core plumbing system 4) Pipe run exceeding 40 ft aided by: a) Tankless water heater b) On demand hot water recirculation					
801.2	Water Conserving Appliances 1) Dishwasher 2) Washing machine 3) Washing machine with water factor of 6.0 or less					
801.3	Food Waste Disposer					
801.4	Showerheads 1) 1.6 to less than 2.5 gpm total flow rates; comply with ASME A112.18.1; tested at 80 psi 2) 804.1.1 and a) 2.0 to less than 2.5 gpm b) 1.6 to less than 2.0 gpm					Average flow rate is per fixture.
801.5	Faucets 1. Water efficient lavatory faucets a) Bathroom installation b) All lavatory faucets installation 3) Self checking back valve, motion sensor, or pedal activated faucets					Faucets with maximum 1.5 gpm flow rate. tested at 60 psi per ASME A112.18.1





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801.6	Water Closets and Urinals					
	1) Water closet flush volume of 1.28 gallons or less per ASME A112.19.2 or ASME A112.19.14 and EPA Water Sense					
	2) Urinal flush volume of 0.5 gallons or less per ASME A112.19.2					
801.7	Irrigation Systems					
	1) Low volume irrigation system for each landscape type					
	a) High distribution uniformity rotating spray heads					
	b) Drip irrigators					
	c) Bubblers					
	d) Drip emitters					
	e) Soaker hose					
	f) Subsurface irrigation					
	2) Professional design and installed in accordance with EPA Water Sense requirements					
	3) Separate zones for turf and bedding areas					
4) Smart Controller:	a) Evapotranspiration (EF) based controller with rain sensor					
	b) Soil moisture sensor					
	c) No irrigation and landscape plan complies with Section 503.3					
801.8	Rainwater Collection and Distribution					
	1) Rainwater collected and used					
	2) Rainwater distributed using renewable energy source or gravity					
801.9	Water Filters					



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Item	Green Building Practice	Compliance		Points Awarded	Plan Review/ Inspection	Comments
802	Innovative Practices					Submitted for approval at plan review
802.1	Graywater 1) Compliant with IRC Appendix O, separate and reused, as permitted by local plumbing code 2) Used by each water closet fixture 3) Used by irrigation system					
802.2	Composting or Waterless Toilet or Urinals 1) Installed. 2) In accordance with Section 802.2(2)					
802.3	Automatic Shut off Water Devices 1) Excess water flow shut off OR 2) Leak detection system					
	Chapter 9 Indoor Environmental Quality	Maximum Points Available: 173				Verify at green plan review, construction submittals, intermediate inspections, and final inspections
901	Pollutant Source Control					
901.1	Space and Water Heating Options: 1. Draft space heating located outside conditioned space 2. Air handling equipment, return ducts located outside of garage 3. Combustion space and water heating equipment located within conditions space 4. Location of heat pump equipment					Select option
901.2	Fireplaces and Fuel Burning Appliances 1. Code compliant, vented to outside, adequate combustion and ventilation air a. Natural gas compliant b. Solid fuel compliance 2. No fire places, wood stoves, similar					Refer to ICC 700 901.2.1(2) for compliance requirements





ICC 700						
Item	Green Building Practice	Compliance		Points Awarded	Plan Review/ Inspection	Comments
901.3	Garages					
	1. Attached garage					
	a. Door between garage and conditioned space sealed					
	b. Continuous air barrier between walls and ceilings					
	c. Ducted or unducted wall fan					
	2. Carport					
901.4	Wood Materials					Minimum 85% of material within product group manufactured according to requirements
	1. Structural Wood: DOC PS 1/DOC PS 2					
	2. Particleboard, MDF: CPA A208.1, CPA A208.2					
	3. Hardwood Plywood: HPVA HP-1, HUD Title 24, Part 3280					
	4. Particle board, MDF, hardwood plywood: CPA 2					
	5. NAUF composite wood					
	6. Nonemitting products					
901.5	Carpets					Emission limits minimum 85% comply with CDPH 01350, certified by Green Label Plus
	1. No carpet or pad around water closets or bathing fixtures					
	2. Low emission carpet materials					
901.6	Hard Surface Flooring					Emission limits minimum 85% comply with CDPH 01350, certified by FloorScore or Greenguard
901.7	Wall Coverings					Emission limits minimum 85% comply with CDPH 01350, certified by Scientific Certification Systems Indoor Gold Advantage or Greenguard
901.8	Architectural Coatings					<u>VOC Limits:</u> Flat: 50 gram/liter Nonflat: 100 grams/liter Clear Wood Varnish: 350 grams/liters Clear Wood Lacquer: 550 grams/liter
	1. Interior Products					
	a. Zero VOC determined by EPA Method 24					
	b. CARB					
	c. GS-11					
	d. VOC limits					
	2. Applied in accordance with DPH 01350 and verified by Greenguard or SCS					



ICC 700						
Item	Green Building Practice	Compliance		Points Awarded	Plan Review/ Inspection	Comments
901.9	Adhesives and Sealants 1. Exterior: a. CARB b. GS-36 2. Interior: a) CDHP 01350, certified by Greenguard or SCS b) GS-36					Minimum of 85% of site applied exterior and interior sealants and adhesives comply with low VOC requirements CARB: 1) Adhesives: 75 g/l 2) Reactive Sealants: 50 g/l 3) Sealant: 30 g/l 4) Contact Adhesive: 480 g/l
901.10	Cabinets 1. KCMA EPS 01 compliant 2. CARB compliant 3. NAUF cabinetry					Minimum of 85% of kitchen and bath vanities comply
901.11	Insulation 1. Wall, Ceiling, Floor: Formaldehyde emissions comply with CDPH 01350, certified by Greenguard or SCS Indoor Gold Advantage Program 2. Duct: Formaldehyde emissions comply with CDPH 01350, certified by Greenguard or SCS Indoor Gold Advantage Program					
901.12	Carbon Monoxide (CO ²) Alarm 1. Located in central areas outside each sleeping area					Alarm certified by CSA 6.19 or UL2034
901.13	Building Entrance Pollutant Control 1. Exterior grille or mats at main entrance 2. Indoor grille or mat					
902	Pollutant Control					Verify with construction submittals, and final inspections
902.1	Spot Ventilation 1. Bathrooms vented to outdoor 2. Clothes dryer vented to outdoor 3. Kitchen exhaust units and range hood ducted to outdoor 4. Bathroom Laundry Exhaust: Automatic timer or humidistat 5. Kitchen range, bathroom, laundry exhaust fans verified to specifications					Exhaust Unit: 100 cfm minimum ventilation rate for intermittent operation; 25 cfm for continuous operation





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Item	Green Building Practice	Compliance		Points Awarded	Plan Review/ Inspection	Comments
902.1	6. Energy Star exhaust fans					
902.2	Building Ventilation Systems 1. Select one: a. Exhaust or supply fan ready for continuous operation with labeled controls b. Balanced exhaust and supply fans with supply intakes located per manufacturer directions c. Heat recover ventilator d. Energy recovery ventilator 2. Ventilation airflow tested to design fan airflow at point of exhaust 3. MERV 8 or greater filters on central air					Select one option
902.3	Radon Control					Not applicable to Dallas
902.4	HVAC System Protection 1. HVAC supply registers, grilles, and rough ins covered during construction 2. HVAC supply registers, return grilles, duct terminators inspected and vacuumed; coils inspected and cleaned, filter replaced					
902.5	Central Vacuum Systems 1. Installed and vented to outdoors					
902.6	Living Space Contaminants 1. Attic access, knee wall door, drop down stair sealed and gasketed 2. Penetration in attic, ceiling, walls, floors sealed					
903	Moisture Management: Vapor, Rainwater, Plumbing, HVAC					Verify with construction submittals, intermediate inspections, and final inspections



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Item	Green Building Practice	Compliance		Points Awarded	Plan Review/ Inspection	Comments
903.1	Tile Backing Materials 1. Comply with ASTM C1178, C1279, C1288, or C 1325					
903.2	Capillary Breaks 1. Capillary break and vapor barrier installed a. Minimum 4 inch thick bed of aggregate covered with polyethylene sheeting, taped seams OR b. Minimum 4 inch thick uniform layer of sand overlain with geotextile drainage matting, covered with polyethylene sheeting					
903.2 cont	2. Capillary break on footings					
903.3	Crawlspace 1. Vapor Retarder: Seams overlapped minimum 6 inches and taped b. Floor: Minimum 6 mil vapor retarder on crawlspace floor, extended up wall, glued and fastened with furring strips c. Walls: Dampproof wall before finished grade					
903.4	Moisture Control Measures 1. Moisture Control Measures: a. No visible mold on building materials b. Walls not enclosed if insulation has high moisture content c. Maximum moisture content of lumber is 19% 2. Moisture content of substrate, subfloor or concrete slab per standard for finished floor					





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903.5	Plumbing 1. Distribution lines not in exterior wall cavities 2. Cold water piping in unconditioned space insulated to minimum R-4 3. No plumbing in unconditioned spaces					
903.6	Duct Insulation 1. HVAC ducts, plenums, trunks in unconditioned space, basement, crawlspaces insulated to R-6; outdoor air supplies insulated to R-6.					
903.7	Relative Humidity 1. Equipment installed to maintain RH of 60% or below by: a. Additional dehumidification system b. Additional controls on central HVAC					
904	Innovative Practices					Submitted for approval at plan review
904.1	Humidity Monitoring Systems					
904.2	Kitchen Exhaust					
	Chapter 10 Operation, Maintenance, and Building Owner Education	Maximum Points Available: 10				Submittals required by Final Inspection
1001	Living Space Contaminants					
1001.1	Building Owner's Manual					Refer to ICC 700 for required manual information
1002	Training of Building Owner on Operations and Maintenance for One- and Two-Family Dwellings and Multifamily Buildings					
1002.1	Training of Building Owner					
	End of ICC 700 Checklist					

