July 11, 2001

Mr. Barry Gardner
Shelco, Inc.
P. O. Box 25747
Winston-Salem, NC 27114-5747

RE: Agenda for June 11, 2001 Building Code Council Meeting

Dear Barry:

This is to officially notify you and other interested parties of a regularly scheduled meeting of the Building Code Council to be held at:

1:00 p.m. Monday, June 11, 2001
North Raleigh Hilton
3415 Wake Forest Road
Raleigh, North Carolina
Phone: 919-872-2323

The Council will continue meeting at 9:00 a.m. on Tuesday, June 12, 2001, and 9:00 a.m. on Wednesday, June 13, 2001 at the North Raleigh Hilton, if necessary to complete the agenda.

The Building Code Council will hold a work session on Monday, June 11, 2001, at 9:00 a.m. This session is open to the public on a non-contributing basis.

Persons requiring auxiliary aid or service should notify the Council at least (10) working days prior to the meeting.

ITEM 1 - APPROVAL OF MINUTES OF THE DECEMBER 12, 2000, BUILDING CODE COUNCIL MEETING.

ITEM 2 - EVALUATION OF STATEMENT OF ECONOMIC INTEREST FILED BY WILLIAM BULLOCK, JACK NEEL, GARY YORK AND BRAD LAIL.

ITEM 3 – PRESENTATION OF FISCAL NOTE PREPARED BY OSBM.

ITEM 4 – APPEAL BY CLINE DESIGN ASSOCIATES OF GROVER SAWYER'S INTERPRETATION THAT ELEVATORS IN ¾ SPLIT, TYPE VI RESIDENTIAL BUILDINGS.

ITEM 5 – APPEAL BY STEVEN LAWRENCE OF RICK DIPERT'S INTERPRETATION CONCERNING THE LOCKING OF EXIT DOORS IN JIM'S PAWNSHOP.

ITEM 6 - REQUEST BY THE CITY OF MOUNT AIRY FOR APPROVAL OF A LOCAL ORDINANCE ALLOWING FIRE MARSHAL TO REQUIRE INSTALLATION OF KNOX BOX.

ITEM 7 – REQUEST BY THE NC BUILDING INSPECTORS ASSOCIATION TO ALLOW THE CONTINUED USE OF THE CURRENT CODE UNTIL JULY 1, 2002 AND CONTINUE WITH THE EFFECTIVE DATE OF JANUARY 1, 2002 FOR THE INTERNATIONAL CODES

ITEM 8 – REQUEST BY CITY OF WILSON TO PERFORM PLAN REVIEWS UNDER TABLE 602

ITEM 9 - RESOLUTION BY THE BUILDING CODE COUNCIL HONORING HERBERT NEILY.

ITEM 10 - LETTERS HONORING MEMBERS OF THE AD HOC COMMITTEES

ITEM 11 – APPROVAL OF THIRD PARTY INSPECTION APPLICATION OF PYRAMID1, INC.

MECHANICAL COMMITTEE MEETING – PLUMBING CODE (ITEM 12 – ITEM 43)

The Mechanical Committee held public hearings on March 15, 2001, and met on April 3, 2001 to discuss the following proposed changes to the International Plumbing Code. The Committee makes the following recommendations:

ITEM 12 – PROPOSAL BY LAUREL WRIGHT, NCDOI, TO REVISE SECTION 403.3.2.1 UNISEX FACILITIES TO READ AS FOLLOWS:

> **403.3.2.1 Unisex Facilities.** A single unisex facility may be used by both males and females when the classroom area served is 1200 square feet or less and is either used for kindergarten through 2 or is a modular classroom used for any grade level. Unisex facilities may be provided for teacher/staff if their total occupant load within 200 feet is 15 or less.

Committee recommendation: Approve. This item is editorial. The language in the blue pages changes the meaning of the section, and was not the intent of the ad hoc committee.

ITEM 13 – PROPOSAL BY GREGORY FINNICAN TO REVISE FOOTNOTE 4 OF TABLE 407.2.5 TO READ AS FOLLOWS:

When the gross area of a building or separately divided unit in a larger building is 2,500 gross square feet and less, one toilet room with lockable door may be used by both male and female occupants.

The committee proposed to re-write the footnote to read:

When the gross area of a building or tenant space is 2,500 square feet or less, one toilet room with lockable door may be used by both male and female occupants.

Committee recommendation: Approve.

ITEM 14 – PROPOSAL BY JOHN WIGGINS, PE, TO KEEP THE WORDING IN THE INTERNATIONAL PLUMBING CODE FOR SECTION 802.1.1 FOOD HANDLING.

Committee recommendation: Deny proposal.

ITEM 15 – PROPOSAL BY JOHN WIGGINS, PE, TO KEEP THE WORDING IN THE INTERNATIONAL PLUMBING CODE FOR SECTION 803 SPECIAL WASTES.

Committee recommendation: Deny proposal.

ITEM 16 –PROPOSAL BY JOHN WIGGINS, PE, TO KEEP THE WORDING IN THE INTERNATIONAL PLUMBING CODE FOR SECTION 703.2 SEWER IN THE FILLED GROUND.

Committee recommendation: Approve.

ITEM 17 – PROPOSAL BY JOHN WIGGINS, PE, TO KEEP THE WORDING IN THE INTERNATIONAL PLUMBING CODE FOR SECTION 708.3.3 CHANGES OF DIRECTION AND SECTION 708.3.5 BUILDING DRAIN AND BUILDING SEWER JUNCTION.

Committee recommendation: Deny proposal.

ITEM 18 – PROPOSAL BY STEVEN BERKOWITZ, ON-SITE WASTEWATER ENGINEERING, TO REVISE SECTION 712.4 TO READ AS FOLLOWS:

A sewage pump or ejector shall not be utilized when the drainage system discharges into a private sewage disposal system (or septic tank system) without
the prior approval of the local health official.

The committee revised the proposal to read as follows:

A sewage pump or ejector pump discharge pipe shall not discharge directly into a septic tank. The pumped line shall discharge laterally into a 4" gravity line not less than 10' from the connection to the tank through a lateral wye branch.

Committee recommendation: Approve as revised.

ITEM 19 – PROPOSAL BY STEVEN BERKOWITZ, ON-SITE WASTEWATER ENGINEERING, TO REVISE SECTION 1003.2 TO READ AS FOLLOWS:

Size and type. The type and location of each interceptor or separator shall be approved by the plumbing official, or when tied into a private sewage system as required by the local health official.

Committee recommendation: Approve.

ITEM 20 – PROPOSAL BY STEVEN BERKOWITZ, ON-SITE ENGINEERING, TO PROHIBIT CONDENSATE FROM BEING DISCHARGED INTO A PRIVATE SUBSURFACE SEWAGE SYSTEM.

Committee recommendation: Deny proposal.

ITEM 21 – PROPOSAL BY STEVEN BERKOWITZ, ON-SITE WASTEWATER ENGINEERING, TO REVISE SECTION 1003.5 TO READ AS FOLLOWS:

Discharge to a private subsurface wastewater system shall not be allowed for drains from repair garages, gasoline stations with grease racks, grease pits or work racks, or car washing facilities with engine or undercarriage cleaning capability.

The committee revised section to read as follows:

Discharge to a private subsurface wastewater system shall not be allowed for drains from repair garages, gasoline stations with grease racks, grease pits or work racks.

Committee recommendation: Approve as re-written.

ITEM 22 – PROPOSAL BY STEVEN BERKOWITZ, ON-SITE WASTEWATER ENGINEERING, TO REVISE DEFINITION OF INDIVIDUAL SEWAGE DISPOSAL SYSTEM TO READ AS FOLLOWS:

A system for disposal of domestic sewage by means of a septic tank, ~~cesspool~~ or mechanical treatment, designed for utilization apart from a public sewer to serve a single establishment or building.

Committee recommendation: Approve.

ITEM 23 – PROPOSAL BY STEVEN BERKOWITZ, ON-SITE WASTEWATER ENGINEERING, TO REVISE SECTION 301.3 TO PROVIDE FOR GRAY WATER RECYCLING SYSTEMS.

Committee recommendation: Use 301.3 from Appendix C.

ITEM 24 – PROPOSAL BY STEVEN BERKOWITZ, ON-SITE WASTEWATER ENGINEERING, TO REVISE SECTION 302.1 TO READ AS FOLLOWS:

Detrimental or dangerous materials. Ashes, cinders or rags; flammable, poisonous or explosive liquids or gases; oil, grease or any other insoluble material capable of obstructing, damaging or overloading the building drainage or sewer system, or capable of interfering with the normal operation of the sewage treatment process or private sewage system, shall not be deposited, by any means, into such system.

Committee recommendation: Approve.

ITEM 25 – PROPOSAL BY STEVEN BERKOWITZ, ON-SITE WASTEWATER ENGINEERING, TO REVISE SECTION 302.2 TO READ AS FOLLOWS:

Industrial wastes. Waste products from manufacturing or industrial operations shall not be introduced into the public sewer or private sewage disposal system until it has been determined by the code official or other authority having jurisdiction that the introduction thereof will not damage the public sewer system or interfere with the functioning of the ~~sewage treatment plant~~ private sewage system.

Committee recommendation: Approve.

ITEM 26 – PROPOSAL BY STEVEN BERKOWITZ, ON-SITE WASTEWATER ENGINEERING, TO REVISE SECTION 701.4 AS FOLLOWS:

Sewage treatment. Sewage or other waste from a plumbing system that is deleterious to surface or subsurface waters shall not be discharged in the ground or into any waterway unless it has first been rendered innocuous through ~~subjection to an approved form of treatment~~ proper treatment approved by the authority having jurisdiction.

Committee recommendation: Approve.

ITEM 27 – PROPOSAL BY STEVEN BERKOWITZ, ON-SITE WASTEWATER ENGINEERING, TO REVISE SECTION 701.5 AS FOLLOWS:

Damage to drainage system, ~~or~~ public sewer, or private sewage system. Wastes detrimental to the public sewer or detrimental to the functioning of the ~~sewage treatment plant~~ private sewage system shall be treated and disposed of in accordance with Section 1003.

Committee recommendation: Approve.

ITEM 28 – PROPOSAL BY JOHN HITCH, AIA, TO USE TABLE 403.1 FROM THE INTERNATIONAL PLUMBING CODE

Committee recommendation: Deny proposal.

ITEM 29 – PROPOSAL BY TIMOTHY J. KILBANE OF SYMMONS INDUSTRIES, INC., TO REVISE SECTION 424.4 AS FOLLOWS:

Committee recommendation: Deny proposal.

ITEM 30 – PROPOSAL BY HENRY WEBSTER, PE, PLUMBING INSPECTORS ASSOCIATION, TO REVISE SECTION 304.1 TO REFER TO APPENDIX D – RODENT PROOFING. ADD APPENDIX D TO READ AS FOLLOWS:

304.1 General. Plumbing systems shall be designed and installed in accordance with Sections 304.2 through 304.4 to prevent rodents from entering structures. See Appendix D, Rodent Proofing.

APPENDIX D – RODENT PROOFING

D101.1 General. Buildings or structures and the walls enclosing habitable or occupiable rooms and spaces in which persons live, sleep or work, or in which feed, food or food stuffs are stored, prepared, processed served or sold, shall be constructed in accordance with the provisions of this section.

D101.2 Foundation wall ventilation openings. Foundation wall ventilator openings shall be covered for their height and width with perforated sheet metal plates no less than 0.070 inch (1.8mm) thick, expanded sheet metal plates not less than 0.047 inch (1.2 mm) thick, cast iron grills or grating, extruded aluminum load-bearing vents or with hardware cloth of).035 inch (0.89 mm) wire or heavier. The openings therein shall not exceed ¼ inch (6.4 mm).

D101.3 Foundation and exterior wall sealing. Annular spaces around pipes, electric cables, conduits, or other openings in the walls shall be protected against the passage of rodents by closing such openings with cement mortar, concrete masonry or non-corrosive metal.

Committee recommendation: Approve.

ITEM 31 – PROPOSAL BY HENRY WEBSTER, PE, PLUMBING INSPECTORS ASSOCIATION, TO REVISE SECTION 307.1 TO REFER TO APPENDIX F AND INCLUDE APPENDIX F ON CUTTING, NOTCHING AND DRILLING.

307.1 General. In the process of installing or repairing any part of a plumbing and drainage installation, the finished floors, walls, ceilings, tile work or any other part of the building or premises that must be changed or replaced shall be left in a safe structural condition in accordance with ~~the *International Building Code*~~ Appendix F.

Committee recommendation: Approve.

ITEM 32 – PROPOSAL BY HENRY WEBSTER, PE, PLUMBING INSPECTORS ASSOCIATION, TO DELETE #3 OF SECTION 309.2 AS FOLLOWS:

309.2 Flood hazard. The following systems and equipment located in a flood-hazard zone (A Zone) or high-hazard zones (V Zone) shall be capable of resisting hydrostatic and hydrodynamic loads and stresses, including the effects of buoyancy, during the occurrence of flooding to the base flood elevation:

~~3. Covers on potable water wells shall be sealed, except where the top of the casing well or pipe sleeve is elevated to at least 1 foot (304.8 mm) above the base flood elevation.~~

Committee recommendation: Approve.

ITEM 33 – PROPOSAL BY HENRY WEBSTER, PE, PLUMBING INSPECTORS ASSOCIATION, TO ADD TO SECTION 310.1 AS FOLLOWS:

Toilet room shall not open directly into a room used for the preparation of food for service to the public.

Committee recommendation: Approve.

ITEM 34 – PROPOSAL BY HENRY WEBSTER, PE, PLUMBING INSPECTORS ASSOCIATION, TO DELETE EXCEPTION 2 OF SECTION 310.4 AND REPLACE WITH SECTION 404.4 OF THE NC PLUMBING CODE AS FOLLOWS:

310.4 Water closet compartment. Each water closet utilized by the public or employees shall occupy a separate compartment with walls or partitions and a door enclosing the fixtures to ensure privacy.

Exceptions:

2. In toilet rooms in child care facilities in areas used exclusively by children five years of age and under the following is permitted:
   a. Toilet stall enclosures, toilet stall doors and partitions between toilets may be omitted.
   b. Doors into toilet rooms may be omitted.
   c. Walls enclosing toilet rooms may be full height with vision panels, or may be partial height at least 42" high in areas for children four and five years of age and 36" high in areas for children under four years of age.

The toilet rooms shall meet applicable ventilation requirements for toilet areas in the North Carolina Building Code and the North Carolina Mechanical Code.

Committee recommendation: Approve.

ITEM 35 – PROPOSAL BY HENRY WEBSTER, PE, PLUMBING INSPECTORS ASSOCIATION, TO MOVE THE EXCEPTION TO SECTION 312.3 TO SECTION 312.2.

Exception: Rough plumbing testing for one and two family dwellings shall be as specified above except the water level shall be a minimum of 3 feet above the highest drainage fitting.

Committee recommendation: Approve.

ITEM 36 – PROPOSAL BY HENRY WEBSTER, PE, PLUMBING INSPECTORS ASSOCIATION, TO REVISE NOTE (1-4) OF SECTION 403.2.3 AS FOLLOWS:

Note (1-4): ~~For multi-level structures, the unisex restroom may be located on the any level.~~ For multi-level structures with an elevator, the unisex restroom may be located on any level, for multi-level structures without an elevator, the unisex restroom shall be located on the first level accessible from finished grade.

Committee recommendation: Approve.

ITEM 37 – PROPOSAL BY HENRY WEBSTER, PE, PLUMBING INSPECTORS ASSOCIATION, TO REVISE TABLE 712.4.2 TO ADD A FOOTNOTE: MINIMUM VELOCITY SHALL BE 2 FPS.

Committee recommendation: Approve.

ITEM 38 – PROPOSAL BY HENRY WEBSTER, PE, PLUMBING INSPECTORS ASSOCIATION, TO REVISE SECTION 1107.3 AS FOLLOWS:

1107.3 Sizing of secondary drains. Secondary (emergency) roof drain systems shall be sized in accordance with Section 1106 based on the rainfall rate ~~for which the primary system~~ indicated in Figure 1106.1a ~~is sized in Tables 1106.2, 1106.3, and 1106.6.~~

Committee recommendation: Approve.

ITEM 39 – PROPOSAL BY HENRY WEBSTER, PE, PLUMBING INSPECTORS ASSOCIATION, TO REVISE SECTION 901.2.1 AS FOLLOWS:

901.2.1 Venting required. Every trap and trapped fixture shall be vented in accordance with one of the venting methods specified in this chapter. All fixtures discharging downstream from a water closet shall be individually vented except as provided in Section 911.

Committee recommendation: Approve.

ITEM 40 – PROPOSAL BY HENRY WEBSTER, PE, PLUMBING INSPECTORS ASSOCIATION, TO REPLACE SECTION 912.1 THROUGH 912.3 WITH SECTION 921.1 THROUGH 921.6 OF THE NORTH CAROLINA PLUMBING CODE.

Committee recommendation: Approve.

ITEM 41 – PROPOSAL BY HENRY WEBSTER, PE, PLUMBING INSPECTORS ASSOCIATION, TO ADD A NEW SECTION 909.4 – MULTISTORY BATHROOM GROUPS USING SECTION 911.3 OF THE NORTH CAROLINA PLUMBING CODE.

Committee recommendation: Approve.

ITEM 42 – PROPOSAL BY HENRY WEBSTER, PE, PLUMBING INSPECTORS ASSOCIATION, TO REVISE THE LAST SENTENCE OF SECTION 706.3 AS FOLLOWS:

Double sanitary tee patterns shall not receive the discharge of back-to-back ~~water closets and~~ fixtures or appliances with pumping action discharge.

Committee recommendation: Approve.

ITEM 43 – PROPOSAL BY HENRY WEBSTER, PE, PLUMBING INSPECTORS ASSOCIATION, TO ADD FOOTNOTE (E) TO TABLE 710.1(2) AS FOLLOWS:

e. 50% less for circuit vented fixture branches.

MECHANICAL COMMITTEE MEETING – MECHANICAL CODE (ITEM 44-ITEM 69)
The Mechanical Committee held public hearings on March 14, 2001 and met on April 3, 2001 to discuss the following proposed changes. The committee makes the following recommendations:

ITEM 44 - PROPOSAL BY DIVISION OF FACILITY SERVICES TO ADD A NEW SECTION 405.2 AS FOLLOWS:

405.2 Fan Shutdown Controls. In Group I-2 and I-3 occupancies each air distribution system shall be equipped with a manual emergency control to stop supply and return air in an emergency. The control device shall be mounted in a readily accessible location and be clearly identified.

Exception: Air handling equipment serving a single space.

Committee recommendation: Approve as revised (changed I to I-2 and I-3).

ITEM 45 – PROPOSAL BY DIVISION OF FACILITY SERVICES TO ADD A NEW SECTION 606.2.4 AS FOLLOWS:

606.2.4 Fan Shutdown by Duct Detector. In Groups I-1, I-2, I-3 and R an air handling unit serving more than one floor shall be automatically shut down on detection of smoke by a duct type detector in the return duct from each floor level located upstream from connection to the common return.

Exception:
1. One and two family dwellings, adult and child daycare in one and two family dwellings, individual apartments, condominiums and townhouses.
2. Smoke detectors are not required in the return air system where the space served by the air distribution system is protected by a system of area smoke detectors in accordance with the *International Building Code*. The area smoke detector system shall comply with Section 606.4

Committee action: Approve as revised.

ITEM 46 – PROPOSAL BY DIVISION OF FACILITY SERVICES TO ADD EXCEPTION TO SECTION 706.1 TO READ AS FOLLOWS:

Exception: In Group I-2 forced combustion air shall be prohibited.

Committee recommendation: Disapprove. Conflicts with the Boiler Code.

ITEM 47 – PROPOSAL BY DIVISION OF FACILITY SERVICES TO ADD EXCEPTION TO SECTION 709.2 TO READ AS FOLLOWS:

Exception: In Group I-2 dampered combustion air openings are prohibited. Combustion air shall be provided by fixed opening(s).

Committee recommendation: Disapprove.

ITEM 48 – PROPOSAL BY THE NC MECHANICAL INSPECTORS ASSOCIATION TO REVISE SECTION 1001.1 AS FOLLOWS:

Exception:

7. Boilers that exceed one of the following are under the jurisdiction of the North Carolina Department of Labor per General Statute Chapter 95 Article 7A. (This exception does not apply to one and two family dwellings and apartment houses of less than six families.)

(A) A heat input capacity of 200,000 Btuh (58.6kW).
(B) A water temperature of 200 degrees F (93.3 C).
(C) A nominal water capacity of 120 gal. (454 L).

Committee recommendation: Approve as revised.

ITEM 49 - PROPOSAL BY THE NC MECHANICAL INSPECTORS ASSOCIATION TO ADD TO THE END OF THE FIRST SENTENCE IN SECTION 509.5 AS FOLLOWS:

509.5 System interconnection. The actuation of the automatic fire suppressions system shall automatically shut down the fuel or electrical power supply to the cooking appliances and shutdown make up air interior to the hood while maintaining exhaust fan operation. The fuel and electrical power supply reset shall be manual.

Committee recommendation: Approve. This language is consistent with 1998 NFPA 96.

ITEM 50 – PROPOSAL BY THE NC MECHANICAL INSPECTORS ASSOCIATION TO DELETE SECTION 603.7.4 PLASTIC DUCT AND FITTINGS.

~~**603.7.4 Plastic ducts and fittings.** Plastic ducts shall be constructed of PVC having a minimum pipe stiffness of 8 psi (55 kPa) at 5 percent deflection when tested in accordance with ASTM D24`1. Plastic duct fittings shall be constructed of either PVC or high-density polyethylene. Plastic duct and fittings shall be utilized in underground installations only. The maximum design temperature for systems utilizing plastic duct and fittings shall be 150 degrees F (66 degrees C).~~

Committee recommendation: Disapprove. Manufacturers would not support the use of these materials for air duct design systems. Also, there is no limitation to size or schedules to be used.

ITEM 51 – PROPOSAL BY THE NC MECHANICAL INSPECTORS ASSOCIATION - DO NOT DELETE SECTION 301.10 – VIBRATION ISOLATION.

301.10 Vibration Isolation. Where vibration isolation of equipment and appliances is employed, an approved means of supplemental restraint shall be used to accomplish the support and restraint.

Committee recommendation: Disapprove. Delete this section from the Fuel Gas Code.

ITEM 52 - PROPOSAL BY THE NC MECHANICAL INSPECTORS ASSOCIATION TO ADD NEW SECTION 601.2 ON AIR MOVEMENT IN CORRIDORS.

601.2 Air movement in exit access corridors. Exit access corridors shall not serve as supply, return, exhaust, relief or ventilation air ducts or plenums.

Exceptions:

1. Use of a corridor as a source of makeup air for exhaust systems in rooms that open directly onto such corridors, including toilet rooms, bathrooms, dressing rooms, smoking lounges and janitor closets, shall be permitted provided that each such corridor is directly supplied with outdoor air at a rate greater than the rate of makeup air taken from the corridor.
2. Use of the space between the corridor ceiling and the floor or roof structure above as a return air plenum is permitted for one or more of the following conditions:
   - 2.1 The corridor is not required to be of fire-resistance-rated construction.
   - 2.2 The corridor is separated from the plenum by fire-resistance-rated construction.
   - 2.3 The air-handling system serving the corridor is shut down upon activation of the air-handling unit smoke detectors required by the *International Mechanical Code*.
   - 2.4 The air-handling system serving the corridor is shut down upon detection of sprinkler water flow where the building is equipped throughout with an automatic sprinkler system.
   - 2.5 The space between the corridor ceiling and the floor or roof structure above the corridor is used as a component of an approved engineered smoke control system.
3. Where located within a dwelling unit, the use of corridors as return air plenums shall not be prohibited.
4. Where located within tenant spaces of 1,000 square feet (93 m^2) or less in area, utilization or corridors as return air plenums is permitted.

Committee recommendation: Approve.

ITEM 53 – PROPOSAL BY THE NC MECHANICAL INSPECTORS ASSOCIATION TO ADD NEW SECTION 918.9 REFRIGERATION COILS IN WARM-AIR FURNACES.

918.9 Refrigeration coils in warm-air furnaces. When a cooling coil is located in the supply plenum of a warm-air furnace, the furnace blower shall be rated at not less than 0.5-inch water column (124 Pa) static pressure unless the furnace is listed and labeled for use with a cooling coil. Cooling coils shall not be located

upstream from heat exchangers unless listed and labeled for such use. Conversion of existing furnaces for use with cooing coils shall be permitted provided the furnace will operate within the temperature rise specified for the furnace.

Committee recommendation: Approve. The information in this section is in the International Residential Code and in the current volume 7.

ITEM 54 – PROPOSAL BY THE NC MECHANICAL INSPECTORS ASSOCIATION TO ADD SECTION 603.16 ON UNDER-FLOOR PLENUMS.

603.16 Under-floor plenums. An under-floor space used as a supply plenum shall conform to the requirements of this section. Fuel gas lines and plumbing waste cleanouts shall not be located within the space.

603.16.1 General. The space shall be cleaned of loose combustible materials and scrap, and shall be tightly enclosed. The ground surface of the space shall be covered with a moisture barrier having a minimum thickness of 4 mils (0.102mm).

603.16.2 Materials. The under-floor space, including the sidewall insulation, shall be formed by materials having flame-spread ratings not greater than 200.

603.16.3 Furnace connections. A duct shall extend from the furnace supply outlet to not less than 6 inches (153 mm) below the combustible framing. This duct shall comply with the provisions of Section 1602.1. A noncombustible receptacle shall be installed below the floor opening into the plenum in accordance with the following requirements:

1. The receptacle shall be securely suspended from the floor members and shall not be more than 18 inches (457 mm) below the floor opening.
2. The area of the receptacle shall extend 3 inches (76 mm) beyond the opening on all sides.
3. The perimeter of the receptacle shall have a vertical lip at least 1 inch (25 mm) high at the open sides.

603.16.4 Access. Access to an under-floor plenum shall be provided through an opening in the floor with minimum dimensions of 18 inches by 24 inches (457 mm by 610 mm).

603.16.5 Furnace controls. The furnace shall be equipped with an automatic control that will start the air-circulating fan when the air in the furnace bonnet reaches a temperature not greater than 150°F (66°C). The furnace shall additionally be equipped with an approved automatic control that limits the outlet air temperature to 200°F (93°C).

Committee recommendation: Approve. This information is in the current CABO and the International Residential Code.

ITEM 55 - PROPOSAL BY THE NC MECHANICAL INSPECTORS ASSOCIATION TO DELETE SECTION 306.4.1

~~**306.4.1 Electrical requirements.** A lighting fixture controlled by a switch located at the required passageway opening and a receptacle outlet shall be provided at or near the appliance located in accordance with the ICC *Electrical Code*.~~

Committee recommendation: Approve. This is not something the mechanical inspector inspects, and it is covered in the NEC.

ITEM 56 – PROPOSAL BY THE NC MECHANICAL INSPECTORS ASSOCIATION TO REVISE TABE 403.3 TO ADD FOOTNOTE B TO ATHLETIC LOCKER ROOMS IN EDUCATION OCCUPANCIES.

Committee recommendation: Approve as revised. Physical Education lockers. Add footnote b and g to physical education lockers. Revise Section 403.2.1 Exception 3 to read... spaces to other spaces shall be prohibited.

Page 29 table 403.3 public spaces – athletic locker rooms (delete ~~and dressing~~) Under sports and amusement add athletic locker rooms with footnote b and g.

ITEM 57 – PROPOSAL BY THE NC MECHANICAL INSPECTORS ASSOCIATION TO REVISE SECTION 307.2.1 AS FOLLOWS:

307.2.1 Condensate Disposal. Condensate from all cooling coils and evaporators shall be conveyed from the drain pan outlet to an approved place of disposal. When unable to drain by gravity a condensate pump may be used. Where pumps are used they shall be installed with factory equipped auxiliary high level switch, and shall shut off equipment served upon activation of the auxiliary high level switch. Where damage to any building components will occur as a result of overflow from the pump, the pump shall also be located in the auxiliary drain pan or in a separate drain pan equipped with a separate drain line or water level detection device. Condensate shall not discharge into a street, alley or other areas so as to cause a nuisance.

Committee recommendation: Approve as revised.

ITEM 58 – PROPOSAL BY THE NC MECHANICAL INSPECTORS ASSOCIATION TO ADD NEW SECTION 927 ON DUCT HEATERS.

927.1 General. Electric duct heaters shall be installed in accordance with the manufacturer's installation instructions and the North Carolina Electrical Code. Electric furnaces shall be tested in accordance with UL 1995.
927.2 Installation. Electric duct heaters shall be installed so that they will not create a fire hazard. Class I ducts, duct coverings and linings shall be interrupted at each heater to provide the clearances specified in the manufacturer's installation instructions. Such interruptions are not required for duct heaters listed and labeled for zero clearance to combustible materials. Insulation installed

in the immediate area of each heater shall be classified for the maximum temperature produced on the duct surface.

927.3 Installation with heat pumps and air conditioners. Duct heaters located within 4 feet (1219 mm) of a heat pump or air conditioner shall be listed and labeled for such installations. The heat pump or air conditioner shall additionally be listed and labeled for such duct heater installations.

927.4 Access. Duct heaters shall be accessible for servicing, and clearance shall be maintained to permit adjustment, servicing and replacement of controls and heating elements.

927.5 Fan interlock. The fan circuit shall be provided with an interlock to prevent heater operation when the fan is not operating.

Committee recommendation: Approve. This item is being brought from the International Residential Code.

ITEM 59 – PROPOSAL BY THE NC MECHANICAL INSPECTORS ASSOCIATION TO ADD NEW SECTION 926 ON RADIANT HEATING SYSTEMS.

926.1 General. Electric radiant heating systems shall be installed in accordance with the manufacturer's installation instructions and the North Carolina Electrical Code.

926.2 Clearances. Clearances for radiant heating panels or elements to any wiring, outlet boxes and junction boxes used for installing electrical devices or mounting lighting fixtures shall comply with the North Carolina Electrical Code.

926.3 Installation of radiant panels. Radiant panels installed on wood framing shall conform to the following requirements:

1. Heating panels shall be instal led parallel to framing members and secured to the surface of framing members or mounted between framing members.
2. Panels shall be nailed or stapled only through the unheated portions provided for this purpose and shall not be fastened at any point closer than ¼ inch (6.4 mm) from an element.
3. Unless listed and labeled for field cutting, heating panels shall be installed as complete units.

926.4 Installation in concrete or masonry. Radiant heating systems installed in concrete or masonry shall conform to the following requirements:

1. Radiant heating systems shall be identified as being suitable for the installation, and shall be secured in place, as specified in the manufacturer's installation instructions.
2. Radiant heating panels or radiant heating panel sets shall not be installed where they bridge expansion joints unless protected from expansion and contraction.

926.5 Gypsum panels. Where radiant heating systems are used on gypsum assemblies, operating temperatures shall not exceed 125°F (52° C).

926.6 Finish surfaces. Finish materials installed over radiant heating panels or systems shall be installed in accordance with the manufacturer's installation

instructions. Surfaces shall be secured so that nails or other fastenings do not pierce the radiant heating elements.

Committee recommendation: Approve. This item is brought forward from the International Residential Code.

ITEM 60 – PROPOSAL BY THE NC MECHANICAL INSPECTORS ASSOCIATION TO ADD NEW SECTION 925 BASEBOARD CONVECTORS.

925.1 Baseboard convectors. Electric baseboard convectors shall be installed in accordance with the manufacturer's installation instruction and the North Carolina Electrical Code.

Committee recommendation: Approve. This item was brought forward from the residential code.

ITEM 61 – PROPOSAL BY THE NC MECHANICAL INSPECTORS ASSOCIATION TO DELETE SECTION 306.3.1.

~~**306.3.1 Electrical requirements.** A lighting fixture controlled by a switch located at the required passageway opening and a receptacle outlet shall be provided at or near the appliance location in accordance with the *ICC Electrical Code*.~~

Committee recommendation: Approve.

ITEM 62 – PROPOSAL BY THE NC MECHANICAL INSPECTORS ASSOCIATION TO ADD NEW SECTION 917.4 ON THE INSTALLTION OF MICROWAVE OVENS.

917.4 Installation of microwave oven over a cooking appliance. The installation of a listed and labeled cooking appliance or microwave oven over a listed and labeled cooking appliance shall conform to the terms of the upper appliance's listing and label and the manufacturer's installation instructions.

Committee recommendation: Approve. Microwaves were in the residential code and this information needs to be added the mechanical code.

ITEM 63 – PROPOSAL BY THE NC MECHANICAL INSPECTORS ASSOCIATION TO ADD THE FOLLOWING TO SECTION 312:

For one and two family dwellings and townhouses, heating and cooling equipment shall be allowed to be sized based on building loads calculated in accordance with ACCA Manual J.

ACCA Manual J is referenced in the IRC for calculating building loads for sizing equipment for one and two family dwellings and townhouses. Without a direct

reference in the code, use of Manual J becomes an alternate design method subject to the discretion of the local official.

Committee recommendation: Approve.

ITEM 64 – PROPOSAL BY THE NC MECHANICAL INSPECTORS ASSOCIATION TO ADD NEW SECTION 918.10 ON RETURN AIR INTAKE (NON-ENGINEERED SYSTEMS).

908.10 Return air intake (non-engineered systems). If only one central return air grille is installed, it shall be of proper size. The size shall be sufficient to return a volume of air compatible with the CFM requirements and temperature rise limitations specified by the equipment manufacturer. The face velocity of return air grilles shall not exceed 450 fpm. At least one separate return shall be installed on each level of a multilevel structure. For split-level and split-foyer structures one return may serve more than one level if located near the levels served and the total area of the levels does not exceed 1600 sq. ft. Return air grilles shall not be located in bathrooms. The return air from one residential living unit shall not be mixed with return air from other living units.

In buildings with 1600 sq. ft. or less of conditioned area, a central return is permitted. When the building contains more than 1600 sq. ft. of conditioned area, additional returns shall be provided. Each return shall not serve more than 1600 sq. ft. of area and shall be located in the area it serves. Return air may travel through the living space to the return air intake of there are no restrictions, such as solid doors, to the air movement. When panned joists are used for return air, the structural integrity shall be maintained. Air capacity for joists, 16 inches on center shall be a maximum of 3.75 CFM for 8 inch joists and 525 CFM or 10 inch joists. Wiring located in spaces used for return air ducts shall comply with the North Carolina Electrical Code.

Committee recommendation: Approve. This information is currently in the CABO. It is not in the IRC.

ITEM 65 – PROPOSAL BY THE NC MECHANIAL INSPECTORS ASSOCIATION TO ADD TO THE END OF SECTION 604.1 AS FOLLOWS:

Replacement or addition of cooling equipment to existing ductwork located in an attic shall require the ductwork to be insulated. Replacement of heating and/or the addition of cooling equipment in a crawlspace shall not require the existing ductwork to be insulated.

Committee recommendation: Approve.

ITEM 66 – PROPOSAL BY THE NC MECHANICAL INSPECTORS ASSOCIATION TO ADD NEW SECTION 603.9.1 METAL DUCTWORK IN ONE AND TWO FAMILY DWELLINGS.

603.9.1 For one and two family dwellings and townhouses. Metal ducts shall be securely supported. Where hung, or suspended, metal straps a minimum of 1 inch in width and equivalent to or heavier gauge than the duct being supported shall be used. Straps, when used shall be at maximum 64-inch intervals and shall be securely attached to the building structure. Straps shall be attached to the duct at a minimum of 2 points with screws or rivets. Hanger systems shall comply with this section or other approved means. Nonmetallic or listed duct systems shall be supported in accordance with the manufacturer's installation instructions. All equipment shall be supported independently of the duct system except when the duct is used as a support base. When used as a support base, the duct shall be of sufficient strength and designed to support the weight of the unit. Listed bases shall be installed in accordance with the manufacturer's installation instructions.

Committee recommendation: Approve. This item refers to support for ductwork, it was brought forward from the current code.

ITEM 67 – PROPOSAL BY THE NC MECHANICAL INSPECTORS ASSOCIATION TO ADD NEW SECTION 601.4 TITLED STANDARDS.

601.4 Standards. Ducts shall be constructed, braced, reinforced and installed to provide structural strength and durability. Ducts and duct systems complying with the requirements of the following applicable standards shall be deemed as meeting the intent of this code:

1. SMACNA Fibrous Glass Duct Construction Standard and SMACNA HVAC Duct Construction Standards, Metal and Flexible or MAIMA Fibrous Glass Duct Construction Standards.
2. ASHRAE Handbook HVAC Systems and Equipment.
3. UL 181.
4. UL 181A, Part I, Part II, and Part III.
5. UL 181B, Part I and Part II.
6. ADC Flexible Duct Performance and Installation Standards.
7. ACCA Manual D – Duct Design for Residential Winter and Summer Air Conditioning, and ACCA Manual Q – Commercial Low Pressure, Low Velocity Duct Systems.

Committee recommendation: Approve. This item is reference standards. The staff will review the chapter on reference standards and will update list.

ITEM 68 – PROPOSAL BY THE NC MECHANICAL INSPECTORS ASSOCIATION TO ADD THE FOLLOWING TO THE END OF SECTION 603.1:

For one and two family dwellings and townhouses, supply and return ducts shall be allowed to be sized according to ACCA Manual D or SMACNA Installation Standards for Residential Heating and Air Conditioning systems.

The ACCA Manual D is referenced in the current NC Residential Volume VII, Section 1901.3.1 for sizing ducts. Without a direct reference in the new mechanical code, the use of ACCA Manual D becomes an alternate design method subject to the approval of the local official.

Committee recommendation: Approve.

ITEM 69 – PROPOSAL BY THE NC MECHANICAL INSPECTORS ASSOCIATION TO INCLUDE RODENT PROOFING IN THE APPENDIX RATHER THAN REFER TO THE BUILDING CODE TO READ AS FOLLOWS:

RODENT PROOFING

101.1 General. Buildings or structures and the walls enclosing habitable or occupaible rooms and spaces in which persons live, sleep or work, or in which feed, food or food stuffs are stored, prepared, processed served or sold, shall be constructed in accordance with the provisions of this section.

101.2 Foundation wall ventilation openings. Foundation wall ventilator openings shall be covered for their height and width with perforated sheet metal plates no less than 0.070 inch (1.8 mm) thick, expanded sheet metal plates not less than 0.047 inch (1.2 mm) thick, cast iron grills or grating, extruded aluminum load-bearing vents or with hardware cloth of 0.035 inch (0.89 mm) wire or heavier. The openings therein shall not exceed ¼ inch (6.4 mm)

101.3 Foundation and exterior wall sealing. Annular spaces around pipes, electric cables, conduits, or other openings in the walls shall be protected against the passage of rodents by closing such openings with cement mortar, concrete masonry or non-corrosive metal.

Committee recommendation: Approve.

MECHANICAL COMMITTEE MEETING – FUEL GAS CODE (ITEMS 70 – 72)

The Mechanical Committee held public hearings on March 14, 2001 to discuss the following items. The committee makes the following recommendations:

ITEM 70 – PROPOSAL BY THE NORTH CAROLINA MECHANICAL INSPECTORS ASSOCIATION TO ADD NEW SECTION 617.8 AS FOLLOWS:

617.8 Refrigeration coils in warm-air furnaces. When a cooling coil is located in the supply plenum of a warm-air furnace, the furnace blower shall be rated at not less than 0.5-ionch water column (124 Pa) static pressure unless the furnace is listed and labeled for use with a cooling coil. Cooling coils shall not be located upstream from heat exchangers unless listed and labeled for such use. Conversion of existing furnaces for use with cooling coils shall be

permitted provided the furnace will operate within the temperature rise specified for the furnace.

Committee recommendation: Approve.

ITEM 71 – PROPOSAL BY THE NORTH CAROLINA MECHANICAL INSPECTORS ASSOCIATION TO ADD NEW SECTION 617.9 AS FOLLOWS:

617.9 Return air intake (non-engineered systems). If only one central return air grille is installed, it shall be of proper size. The size shall be sufficient to return a volume of air compatible with CFM requirements and temperature rise limitations specified by the equipment manufacturer. The face velocity of return air grilles shall not exceed 450 fpm. At least one separate return shall be installed on each level of a multilevel structure. For split-level and split-foyer structures one return may serve more than one level if located near the levels served and the total area of the levels does not exceed 1600 sq. ft. Return air grilles shall not be located in bathrooms. The return air from one residential living unit shall not be mixed with return air from other living units.

In buildings with 1600 sq. ft. or less of conditioned area, a central return is permitted. When the building contains more than 1600 sq. ft. of conditioned area, additional returns shall be provided. Each return shall not serve more than 1600 sq. ft. of area and shall be located in the area it serves. Return air may travel through the living space to the return air intake if there are no restrictions, such as solid doors, to the air movement. When panned joists are used for return air, the structural integrity shall be maintained. Air capacity for joists, 16 inches on center shall be a maximum of 375 CFM for 8-inch joists and 525 CFM or 10 inch joists. Wiring located in spaces used for return air ducts shall comply with the North Carolina Electrical Code.

Committee recommendation: Approve.

ITEM 72 – PROPOSAL BY HENRY WEBSTER, PE, DOI, TO INCLUDE THE EXCEPTION TO SECTION 304.15 AS SHOWN IN THE IFGC AND AS FOLLOWS

Exception: Within dwelling units, unobstructed stud and joist spaces shall not be prohibited from conveying combustion air, provided that not more than one required fireblock is removed.

Committee recommendation: Approve.

GENERAL CONSTRUCTION COMMITTEE MEETING (ITEM 73 – ITEM 100)

The General Construction Committee held public hearings on March 13, 2001, and met on April 4, 2001 to discuss the following proposed changes to International Building Code. The Committee makes the following recommendations:

ITEM 73 – PROPOSAL BY JOHN WIGGINS, PE, TO REVISE SECTION 705.3 TO READ AS FOLLOWS:

705.3 Materials. Firewalls shall be of any approved noncombustible materials.

Exception: Buildings of Type V construction.

Committee recommendation: Deny proposal.

ITEM 74 – PROPOSAL BY BARRY GUPTON, PE, DEPARTMENT OF INSURANCE TO REVISE SECTION 705.3 TO READ AS FOLLOWS:

705.3 Materials. Firewalls shall be constructed of masonry, ~~or~~ concrete, or any approved non-combustible material. The fire resistance of concrete or masonry firewalls shall be calculated in accordance with Section 720 or determined by test in accordance with ASTM E-119. All other firewalls shall be tested in accordance with ASTM E-119. Firewalls tested in accordance with ASTM E-119 shall be conducted using the alternative hose stream test procedure described in section 11.3 of ASTM E-119.

Committee recommendation: Approve.

ITEM 75 – PROPOSAL BY JOHN WIGGINS, PE, TO KEEP TABLE 1608.2 – GROUND SNOW LOADS FOR ALASKAN LOCTAIONS IN THE CODE.

Committee recommendation: Approve. Unnecessarily creates blue page.

ITEM 76 – PROPOSAL BY JOHN WIGGINS, PE, TO KEEP THE IBC FIGURE 1609 AND NOT INCLUDE A MAP FOR NORTH CAROLINA.

Committee recommendation: Approve. Enlarge the map in the IBC to show North Carolina more clearly.

ITEM 77 – PROPOSAL BY JOHN WIGGINS, PE, TO REVISE SECTION 1612.4 TO DELETE THE WORDS ~~OR COMPARABLE ENGINEERING STANDARDS~~.

Committee recommendation: Approve. The code allows other comparable engineering standards.

ITEM 78 – PROPOSAL BY JOHN WIGGINS, PE, TO REVISE SECTION 3108.4 TO DELETE THE WORDS ~~OR OTHER ACCEPTED ENGINEERING STANDARDS.~~

Committee recommendation: Approve.

ITEM 79 – PROPOSAL BY JOHN WIGGINS, PE, TO INCLUDE #4 OF SECTION 1003.3.1.4 IN THE CODE AS FOLLOWS:

4. Exterior decks, patios, or balconies that are part of Type B dwelling units and have impervious surfaces, and that are not more than 4 inches (102 mm) below the finished floor level of the adjacent interior space of the dwelling unit.

Committee recommendation: Deny proposal.

ITEM 80 – PROPOSAL BY STEVE SKALKO, PE, OF THE PORTLAND CEMENT ASSOCIATION TO DELETE SECTION 403.3.1 AS FOLLOWS:

~~**403.3.1 Type of Construction.** The following reductions in the minimum construction type allowed in Table 601 shall be allowed as provided in Section 403.3:~~

~~**1. Type IA construction shall be allowed to be reduced to Type IB.**~~

~~2. In other than Groups F-1, M and S-1, Type IB construction shall be permitted to be reduced to Type IIA.~~

Committee recommendation: Deny proposal.

ITEM 81 - DELETE THE WORDS ~~OVER 100 SQUARE FEET~~ FROM TABLE 302.1.1.

Barry Gupton, DOI and Ed Williams, DFS met between the public hearing and the committee meeting and revised the proposal as follows:

Room or area	Separation
Group I-2 waste and linen Collection room	1 hour

Committee recommendation: Approve as re-written.

ITEM 82 – ADD NEW ITEMS TO TABLE 302.1.1 AS FOLLOWS:

Barry Gupton, DOI and Ed Williams, DFS met between the public hearing and the committee meeting and revised the proposal as follows:

Room or area	Separation
Group I-2 rooms or spaces that contain fuel-fired heating equipment	smoke resistant construction and doors
Group I-2 laundries equal to or less than 100 square feet and commercial kitchens in Group I-2	smoke resistant construction and doors

Committee recommendation: Approve as re-written.

ITEM 83 – ADD TO THE EXCEPTION TO SECTION 403.10.1.1 AS FOLLOWS:

Exception: In other than Group I-2, where the system is supplied with pipeline natural gas and is approved.

Committee recommendation: Deny proposal.

ITEM 84 – PROPOSAL BY DFS TO ADD SECTION 407.5.1 AS FOLLOWS:

Barry Gupton, DOI and Ed Williams, DFS met between the public hearing and the committee meeting and revised the proposal as follows:

407.5.1 When dry pipe sprinkler systems are installed, patient sleeping rooms shall be protected by smoke detectors that comply with UL 268. Such detectors shall provide a visual display on the corridor side of each patient room and shall provide an audible and visual alarm at the nurses' station attending each room.

Committee recommendation: Approve as re-written.

ITEM 85 – PROPOSAL BY DFS TO REVISE SECTION 407.6 AS FOLLOWS:

407.5 Corridors in ~~nursing homes (both intermediate care and skilled nursing facilities), detoxification facilities~~ Group I-2 and spaces permitted to be open to corridors by Section 407.2 shall be protected by an automatic fire detection system installed in accordance with Section 907.

Committee recommendation: Approve.

ITEM 86 – PROPOSAL BY DFS TO REVISE EXCEPTIONS TO SECTION 407.6 AS FOLLOWS:

1. Corridor smoke detection is not required in smoke compartments that contain patient sleeping rooms where patient sleeping rooms are provided with smoke detectors that comply with UL 268. Such detectors shall provide a visual display on the corridor side of each patient room and shall provide an audible and visual alarm at the nursing station attending each room
2. Corridor smoke detection is not required in smoke compartments that contain patient sleeping rooms where patient room doors are equipped with automatic door-closing devices with integral smoke detectors on the room sides installed in accordance with their listing, provided that the integral detectors perform the required alerting function.

Committee recommendation: Approve.

ITEM 87 – PROPOSAL BY DFS TO ADD NEW SECTION 421 AS SHOWN IN ATTACHMENT 1.

Committee recommendation: Approve as re-written.

ITEM 88 – PROPOSAL BY DFS TO ADD SENTENCE TO SECTION 709.5 TO READ AS FOLLOWS:

> In Group I, openings in smoke barriers shall be limited to habitable and circulation spaces unless specifically permitted by the code enforcement official.
>
> Gupton said he would put the period after spaces and delete "unless specifically permitted by the code enforcement official."

The revised language is as follows:

> In Group I, openings in smoke barriers shall be limited to habitable and circulation spaces.

Committee recommendation: Deny proposal.

ITEM 89 – PROPOSAL BY DFS TO ADD EXCEPTION #5 TO SECTION 1003.3.1.8 AS FOLLOWS:

> 5. Door-locking arrangements shall be permitted in health care occupancies, or portions of health care occupancies (such as psychiatric hospitals, psychiatric units in hospitals, etc.), where the clinical needs of the patients require specialized security measures for their safety, provided keys are carried at all times by all staff that are responsible for the evacuation of the occupants within the locked building or locked units(s). This shall include but not be limited to staff located in adjacent buildings or units that are responsible for the evacuation of the occupants within the locked building or locked unit(s).

DFS and DOI staff met and proposed the following language:

> 5. Door-locking arrangements shall be permitted in Group I-2 where the clinical or security needs of the patients require specialized locking measures for their safety or the safety of others, provided keys are carried at all times by all staff that are responsible for the evacuation of the occupants within the locked building or locked unit(s).

Committee recommendation: Approve as revised.

ITEM 90 – PROPOSAL BY DFS TO ADD NEW SECTION 1003.3.1.8.2.1 TO READ SHOWN IN ATTACHMENT 2.

Committee recommendation: Approve as revised.

ITEM 91 – PROPOSAL BY DFS TO REVISE EXCEPTION #6 OF SECTION 1004.3.2.2 AS FOLLOWS:

Ninety-six inches (2438 mm) – ~~In Group I-2~~ in areas where required for bed movement of Group I-1 and in inpatient areas of Group I-2, 72 inches in all other patient or resident areas of Group I-1 and I-2, and forty four inches in non-patient or non-resident areas of Group I-1 and I-2.

ITEM 92 – PROPOSAL BY DFS TO REVISE EXCEPTIONS #2, 5 AND 6 OF SECTION 1004.3.2.2 AS FOLLOWS:

2.Thirty-six inches (914 mm) – In other than Groups I-1, I-2 and I-3 with a required occupant capacity of 50 or less.

5.Seventy-two inches (1829 mm) – In corridors serving surgical Group I, health-care centers for ambulatory patients receiving outpatient medical care which causes the patients to be not capable of self-preservation and resident areas of Group I-1 and I-2.

6.Ninety-six inches (2438 mm) –In Group I-2 in inpatient areas and in areas where required for bed movement.

Committee recommendation: Approve as revised.

ITEM 93 – PROPOSAL BY DFS TO REVISE TABLE 1004.3.2.1 TO ADD FOOTNOTE F FOR OCCUPANCY R AND ADD FOOTNOTE F AS FOLLOWS:

f. For requirements for Residential Care Facilities see Section 421.

Committee recommendation: Approve.

ITEM 94 - PROPOSAL BY DFS TO DELETE GROUP I UNDER COLUMN HEADING OCCUPANCY FROM TABLE 1005.2.2.

DFS wants a minimum of 2 exits to be required. Committee approved changing I to I-4 in the Table.

Committee recommendation: Approve as revised.

ITEM 95 - PROPOSAL BY KEN SZYMANSKI OF THE APARTMENT ASSOCIATION OF NORTH CAROLINA TO ADD EXCEPTION #5 TO SECTION 1005.3.6.5 AS FOLLOWS:

5. Separation from the interior of the building is not required for exterior stairways located in buildings of Group R-2 where the building is equipped with a fire protection system meeting 903.3.1.2 protecting all dwelling units, stairway, and exitway.

Committee recommendation: Approve.

ITEM 96 – PROPOSAL BY LAUREL WRIGHT, NC DEPARTMENT OF INSURANCE, TO DELETE FOOTNOTE E OF TABLE 1004.3.2.1.

During the General Construction Committee meeting, John Hitch offered a revised wording for footnote e of Table 1004.3.2.1 as follows:

e. Exit access corridors are not required to be rated on any single tenant floor or in any single tenant space, when 1 hour rated tenant demising walls are provided between all tenant spaces and 1 hour rated floor/ceiling assemblies are provided in multi-story buildings.

Committee recommendation: Approve as revised.

ITEM 97 – PROPOSAL BY LAUREL WRIGHT, NC DEPARTMENT OF INSURANCE TO REVISE THE NORTH CAROLINA ACCESSIBILITY CODE FOR EDITORIAL CHANGES, CORRELATIONS AND STATUTE CHANGES.

These changes do not represent any changes to the current code. The changes are for clarification, co-ordination with general statutes and the international codes and editorial corrections.

Committee recommendation: Approve.

ITEM 98 – PROPOSAL BY LAUREL WRIGHT, NCDOI, TO CHANGE IN DIMENSIONS OF UNISEX TOILETS TO COMPLY WITH ADAG.

During the Plumbing Code Hearings, it was determined that the dimensions shown in Volume 1-C for unisex toilets do not comply with the requirements for ADAG. The staff contacted DOJ and will make the necessary revisions.

Committee recommendation: Approve
(Note: Staff requests effective date of June 11, 2001)

ITEM 99 – PROPOSAL BY LAUREL WRIGHT, NCDOI, TO REVISE SKETCH FOR SECTION 6.3.2.2.1(2) OF VOLUME 1-C TO DELETE THE STAIR ENCLOSURE AND DOOR FOR CLARITY.

Committee recommendation: Approve.

ITEM 100 – PROPOSAL BY NANETTE MCELM AN, PE TO LEAVE THE WIND-BORNE DEBRIS REQUIREMENTS IN THE INTERNATIONAL BUILDING CODE

Committee recommendation: Deny proposal.

ENERGY COMMITTEE (ITEM 101 AND ITEM 102)

The Energy Committee held a public hearing on March 15, 2001 and discussed the following items. The committee makes the following recommendations:

ITEM 101 - PROPOSAL BY BILLY HINTON, PE, DOI STAFF, TO DELETE SECTION 602.2

602.2 Maximum solar heat gain coefficient for fenestration products. ~~In locations with heating degree days (HDD) less than 3,400, the area weighted average solar heat gain coefficient (SHGC) for glazed fenestration installed in the building envelope shall not exceed 0.40.~~ Deleted.

Committee recommendation: Approve

ITEM 102 – PROPOSAL BY BILLY HINTON, PE, DOI STAFF, TO DELETE SECTION 502.1.5

502.1.5 Fenestration solar heat gain coefficient. ~~In locations with heating degree days (HDD) less than 3,500,the combined solar heat gain coefficient (the area weighted average) of all glazed fenestration products (including the effects of any permanent exterior solar shading devices) in the building shall not exceed 0.4.~~ Deleted.

Committee recommendation: Approve

RESIDENTIAL COMMITTEE (ITEM 103 – ITEM 111)

The Residential Committee held public hearings on February 22, 2001 at Atlantic Beach, NC and on March 6, 2001 at Winston Salem, NC to discuss the following proposed changes to the International Residential Code. The Committee makes the following recommendations:

ITEM 103 – PROPOSAL FROM JOHN WIGGINS, PE – DO NOT ADOPT THE PROPOSED RESIDENTIAL CODE AND KEEP THE CURRENT RESIDENTIAL CODE

Committee recommendation: Deny proposal.

ITEM 104 – PROPOSAL BY JOHN WIGGINS, PE, TO – CHANGE 2,000 PSF TO 1,500 PSF (ONLY) IN TABLE R401.1

Committee recommendation: Deny proposal.

ITEM 105 – PROPOSAL BY JOHN WIGGINS, PE - TABLE R503.2.1(1) – LEAVE AS IS IN THE INTERNATIONAL RESIDENTIAL CODE

Committee recommendation: Deny proposal.

ITEM 106 – PROPOSAL BY JOHN WIGGINS, PE - TABLE R602.3(1) – LEAVE AS IS IN THE INTERNATIONAL RESIDENTIAL CODE

Committee recommendation: Approve.

ITEM 107 – PROPOSAL BY JOHN WIGGINS, PE, DO NOT DELETE SECTION R703.8(2)

2. At the intersection of chimneys or other masonry construction with frame or stucco walls, with projecting lips on both sides under stucco copings.

Committee recommendation: Approve.

ITEM 108 – PROPOSAL BY THE WILMINGTON HOME BUILDERS ASSOCIATION TO REVISE THE WIND ZONES FOR NEW HANOVER COUNTY

Committee recommendation: No recommendation.

ITEM 109 – PROPOSAL BY THE CARTERET COUNTY HOME BUILDERS ASSOCIATION TO REVISE THE WIND ZONES FOR CARTERET COUNTY

Committee recommendation: No recommendation:

ITEM 110 – PROPOSAL BY THE PENDER COUNTY HOME BUILDERS ASSOCIATION TO REVISE THE WIND ZONES FOR PENDER COUNTY

Committee recommendation: No recommendation

ITEM 110A – PROPOSAL BY PAUL KAHL TO DELETE EXCEPTION #3 IN SECTION 312.1

Committee recommendation: Deny.

FIRE PREVENTION COMMITTEE MEETING (ITEM 111 – ITEM 153)

The Fire Prevention held public hearings on March 13, 2001 and met on April 5, 2001 to discuss the following items. The Committee makes the following recommendations:

ITEM 111 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REVISE SECTION 306 TITLE TO READ MOTION PICTURE FILMS AND SCREENS

Section 306
MOTION PICTURE FILMS ~~AND SCREENS~~

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 112 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO DELETE SECTION 306.3

~~**306.3 Motion Picture Screens.** The flame spread index of screens on which motion pictures are projected shall not exceed 75 when tested in accordance with NFPA 255.~~

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 113 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REVISE EXCEPTION #2 OF SECTION 307.5 TO READ AS FOLLOWS:

2. Where buildings, balconies, and decks are protected by an approved automatic sprinkler system.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code

ITEM 114 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REVISE SECTION 311.3 TO READ AS FOLLOWS:

311.3 Removal of ~~waste~~ combustibles. Persons owning, or in charge or control of, a vacant building or portion thereof, shall remove therefrom all accumulations of combustible materials, flammable or combustible.....

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 115 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE REVISE SECTION 311.4 AS FOLLOWS:

311.4 Removal of hazardous materials. Persons owning or having charge or control of a vacant building ~~shall remove all combustible and hazardous materials, and submit a facility closure plan in accordance with Section 407.7~~ containing hazardous materials regulated by Chapter 27 shall comply with the facility closure requirements of 2701.5.

~~**Exception:** This section shall not apply to materials in heating, air conditioning, and refrigeration systems installed in accordance with Chapter 6 or exempted therein.~~

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 116 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO ADD SECTION 606.15 TO READ:

606.15 Electrical Equipment. Where refrigerants of Groups A2, A3, B2, and B3, as defined in the International Mechanical Code, are used, refrigeration machinery rooms shall conform to the Class I, Division 2 hazardous location classification requirements of the North Carolina Electrical Code.

Exception: Ammonia machinery rooms that are provided with ventilation in accordance with Section 1106.3 of the North Carolina Mechanical Code.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 117 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO ADD NEW SECTION 607.3 AS FOLLOWS:

607.3 Elevator Keys. Keys for the elevator car doors and fireman service keys shall be kept in an approved location for immediate use by the fire department.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 118 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REVISE SECTIONS 903.2.1.1, 903.2.1.2, 903.2.1.3, 903.2.1.4, 903.2.3, 903.2.6, 903.2.10 AS SHOWN:

903.2.1.1 Group A-1. An automatic sprinkler system shall be provided ~~throughout a fire area containing a~~ for Group A-1 ~~occupancies~~ where on of the following conditions exists:

903.2.1.2 Group A-2. An automatic sprinkler system shall be provided ~~throughout a fire area containing a~~ for Group A-2 ~~occupancy~~ occupancies where one of the following conditions exists:

903.2.1.3 Group A-3. An automatic sprinkler system shall be provided ~~throughout a fire area containing a~~ for Group A-3 ~~occupancy~~ occupancies where one of the following conditions exists:

903.2.1.4 Group A-4. An automatic sprinkler system shall be provided ~~throughout a fire area containing a~~ for Group 1-4 ~~occupancy~~ occupancies where one of the following conditions exists:

903.2.3 Group F-1. An automatic sprinkler system shall be provided throughout all buildings ~~where the fire area~~ containing a Group F-1 Occupancy ~~complying with one of the following~~ where one of the following conditions exist:

1. Where a Group F-1 fire area exceeds 12,000 square feet (1115 m^2); ~~or~~
2. Where a Group F-1 fire area is located more than three stories ~~in height~~ above grade; or
3. Where the combined ~~fire~~ area of all Group F-1 fire areas on all floors, including any mezzanines, exceeds 24,000 square feet (2230 m^2).

903.2.6 Group M. An automatic sprinkler system shall be provided throughout buildings ~~where the fire area~~ containing a Group M Occupancy ~~complying with one of the following~~ where one of the following conditions exist:

1. Where a Group M fire area exceeds 12,000 square feet (1115 m^2); ~~or~~
2. Where a Group M fire area is located more than three stories ~~in height~~ above grade; or
3. Where the combined ~~fire~~ area of all Group M fire areas on all floors, including mezzanines, exceeds 24,000 square feet (2230 m^2).

903.2.10 Group S-1. An automatic sprinkler system shall be provided throughout all buildings where the fire area containing a Group S-1 Occupancy complying with one of the following where one of the following conditions exist:

1. Where a Group S-1 fire area exceeds 12,000 square feet (1115 m^2); ~~or~~
2. Where a Group S-1 fire area is located more than three stories ~~in height~~ above grade; or
3. Where the combined fire area of all Group S-1 fire areas on all floors, including any mezzanines, exceeds 24,000 square feet (2230 m^2).

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 119 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REPLACE DEFINITION OF CURTAIN BOARD WITH THE FOLLOWING:

Draft Curtain ~~Board~~ See section 2302.1

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 120 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REVISE SECTION 910.1, 910.3, 910.3.3, 910.3.4, TABLE 910.3, 2302.1, 2306.2 TO REPLACE THE WORDS CURTAIN BOARDS WITH DRAFT CURTAINS AS FOLLOWS:

910.1 General. Where required by this code or otherwise installed, smoke and heat vents, or mechanical smoke exhaust systems, and draft curtains ~~boards~~ shall conform to the requirements of this section.

910.3 Design and installation. The design and installation smoke and heat vents and draft curtains ~~boards~~ shall be specified in this section and Table 910.3.

910.3.3 Vent locations. Smoke and heat vents shall be located 20 feet (6096 mm) or more from ~~lines of~~ adjacent property lines ~~properties~~ and fire walls and 10 feet (3048 mm) or more from fire barrier walls. Vents shall be uniformly located within the roof area above high-piled storage areas, with consideration given to roof pitch, draft curtain ~~board~~ location, sprinkler ~~head~~ location and structural members.

910.3.4 Draft curtains ~~boards.~~ Where required, draft curtains shall be provided in accordance with this section.

Exception: Where areas of buildings are equipped with early suppression-fast response (ESFR) sprinkler systems, draft curtains shall not be provided within these areas. Draft curtains shall only be provided at the separation between the ESFR sprinklers and the conventional sprinklers.

910.3.4.2 Location and depth. The location and minimum depth of draft curtains ~~boards~~ shall be in accordance with Table 910.3.

Table 910.3
Requirements for Draft Curtains ~~Boards~~ and Smoke and Heat Vents ~~Venting~~

Minimum Draft Curtain ~~Board~~ Depth (feet)	Maximum Area Formed by Draft Curtains ~~Boards~~ (square feet)[b]	Maximum Distance to Vents from Wall or Draft Curtains ~~Boards~~[b] (feet)

a. Requirements for rack storage heights in excess of those indicated shall be in accordance with Chapter 23. For solid-piled storage heights in excess of those indicated, an approved engineered design shall be used.
b. ~~When areas of buildings are equipped with early suppression fast response (ESFR) sprinklers, the curtain boards within these areas shall be located only at the separation between the ESFT and the conventional sprinkler system.~~

2302.1 Draft Curtain ~~Board.~~ A structure arranged to limit the spread of smoke and heat along the underside of the ceiling or roof. ~~Curtain boards are sometimes referred to as draft curtains.~~

2306.2 Extent and Type of Protection. Where required by Table 2306.2 fire-detection systems, smoke and heat removal draft curtains ~~boards~~, small hose valves

and stations, and automatic sprinkler design densities shall extend the lesser of 15 feet (4572 mm) beyond the high piled storage area or to a permanent partition.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code

ITEM 121 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REVISE SECTION 2306.7 TO READ AS FOLLOWS:

2306.7 Smoke and heat removal. Where smoke and heat removal is required by Table 2306.2, smoke and heat vents shall be provided in accordance with Section 910. Where draft curtains ~~boards~~ are required by Table 2306.2, they shall be provided in accordance with Section 910.3.4.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 122 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REVISE SECTION 910.2.1 TO READ AS FOLLOWS:

910.2.1 Groups F-1 and S-1. Buildings and portions thereof used as a Group F-1 or S-1 Occupancy having more than 50,000 square feet of undivided area.

Exception: Group S-1 Aircraft repair hangars.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 123 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REVISE SECITON 910.2.2 TO READ AS FOLLOWS:

910.2.2 Group H. Building and portions thereof used as a Group H occupancy as follows:

1. In occupancies classified Group ~~H-1,~~ H-2 or H-3, any of which are over 15,000 square feet (1394 m^2) in single floor area.
   Exception: Buildings of noncombustible construction containing only noncombustible materials.

2. In areas of buildings in Group H used for storing Class 2, 3, and 4 liquid and solid oxidizers, Class 1 and unclassified detonatable organic peroxides, Class 3 and 4 unstable (reactive) materials, or Class 2 or 3 water reactive materials as required for a Class V Hazard Classification.
   Exception: Buildings of noncombustible construction containing only noncombustible materials.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 124 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO ADD A SENTENCE AT THE BEGINNING OF SECTION 1505.10 TO READ AS FOLLOWS:

1505.10 Roll coating operations. Roll coating operations shall comply with Section 1505.9. In roll coating operations utilizing flammable or....

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 125– PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REVISE SECTION 2704.13 TO READ AS FOLLOWS:

2704.13 Weather protection. Where overhead noncombustible construction is provided or sheltering outdoor hazardous material storage areas, such storage shall not be considered indoor storage when the area is construction in accordance with the requirements for weather protection as required by the *International Building Code*.

Exception: Storage of explosive ~~or pyropheric~~ materials shall be considered as indoor storage.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 126 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REVISE SECTION 4104.2.2 TO READ AS FOLLOWS:

4104.2.2 Weather protection. When overhead construction is provided for sheltering of outdoor storage areas of pyrophoric materials, ~~such storage shall be treated as indoor storage~~ the storage areas shall be provided with approved automatic fire extinguishing system protection.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 127 - PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO ADD SECTION 4106.3.4 TO READ AS FOLLOWS:

4106.3.4 Weather protection. The clear height of overhead construction provided for sheltering of outdoor storage shall be no less than 12 feet (3658 mm).

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 128 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REVISE THE DEFINITION IN CHAPTER 2 OF DETACHED STORAGE AS FOLLOWS:

Detached ~~Storage~~ Building. See Section 2702.1

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 129 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REVISE SECTION 2702.1 TO READ AS FOLLOWS:

Detached ~~Storage~~ Building. A separate single-story building, without a basement or crawl space, used for the storage or use of hazardous materials and located an approved distance from all structures.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 130 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO RENUMBER AND REVISE SECTION 2703.8.2 AS FOLLOWS:

~~2704.14~~ 2703.8.2 Required detached ~~storage~~ buildings. Group H Occupancies containing quantities of hazardous materials in excess of those set forth in Table ~~2704.14 A~~ 2703.8.2 shall be in detached buildings. ~~That do not exceed one story in height, are without basements, crawl spaces or other under-floor spaces and are used for no other purpose.~~

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 131 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO CHANGE TABLE 2704.14 TO TABLE 2703.8.2 AND REVISE TABLE AS SHOWN ON ATTACHMENT #3

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 132 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO DELETE SECTION 2704.14

~~**2704.14 Required detached storage.** Group H occupancies containing quantities of hazardous material in excess of those set forth in Table 2704.14 shall be in detached buildings that do not exceed one story in height, are without basements, crawl spaces or other under floor spaces, and are used for no other purposes.~~

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 133 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REVISE SECTION 3904.1.1 TO READ AS FOLLOWS:

3904.1.1 Detached storage. Storage of organic peroxides shall be in detached ~~storage~~ buildings when required by Section ~~2804.14~~ 2703.8.2.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 134 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REVISE SECTION 4004.1.1 TO READ AS FOLLOWS:

4004.1.1 Detached storage. Storage of liquid and solid oxidizers shall be in detached ~~storage~~ buildings when required by Section ~~284.14~~ 2703.8.2.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 135 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REVISE SECTION 3003.2 TO READ AS FOLLOWS:

3003.2 Marking. Stationary and portable compressed gas containers, cylinders, tanks and systems shall be marked in accordance with ~~ANSI A13.1, CGA C7 or NFPA 704.~~ Section 3003.2.1, 3003.2.2 and 3003.2.3.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 136 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REVISE SECTION 3003.2.1 TO READ AS FOLLOWS:

3003.2.1 Stationary compressed gas containers, cylinders and tanks. Stationary compressed gas containers, cylinders and tanks shall be marked with the name of the gas and in accordance with ~~NFPA 704~~. Sections 2703.5 and 2703.6. Markings shall be visible from any direction of approach.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 137 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO ADD A NEW DEFINITION OF IRRITANT TO CHAPTER 2 AS SHOWN:

Irritant. A chemical which is not corrosive, but which causes a reversible inflammatory effect on living tissue by chemical action at the site of contact. A chemical is a skin irritant if, when tested on the intact skin of albino rabbits by the methods of 16CFR, Part 1500.41 for an exposure of four or more hours or by other appropriate techniques, it results in an empirical score of 5 or more. A chemical is classified as an eye irritant if so determined under the procedure listed in 16CFR, Part 1500.42 or other approved techniques.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 138 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO ADD NEW SECTION 3003.5.9 ON EXHAUSTED ENCLOSURES AS SHOWN:

3003.5.9 Exhausted enclosures. When exhausted enclosures are provided as a means to segregate compressed gas containers, cylinders and tanks from exposure hazards they shall comply with the requirements of Section 2703.8.4.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 139 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO ADD NEW SECTION 3003.5.10 ON GAS CABINETS AS SHOWN:

3303.5.10 Gas cabinets. When gas cabinets are provided as a means to separate compressed gas containers, cylinders and tanks from exposure hazards they shall comply with the requirements of Section 2703.8.5.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 140 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO ADD NEW SECTION 3007 ON COMPRESSED GASES NOT OTHERWISE REGULATED AS SHOWN :

3007.1 General. Compressed gases in storage or use not regulated by material specific provisions of Chapters 6, 31, 35 and 37 through 45 including asphyxiant, irritant and radioactive gases shall comply with this section in addition to other requirements of this chapter.

3007.2 Ventilation. Indoor storage and use areas and storage buildings shall be provided with mechanical exhaust ventilation or natural ventilation in accordance with the requirements of Section 2704.3 or 2705.1.9. When mechanical ventilation is provided the systems shall be operational during such time as the building or space is occupied.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 141 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REVISE SECTION 3104.2.2 AS SHOWN:

3104.2.2 Distance from storage to exposures. Outdoor storage of corrosive materials shall not be within 20 feet (6096 mm) of buildings not associated with the manufacturing or distribution of such materials, lot lines, streets, alleys, public ways or means of egress.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 142 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REVISE TABLE 4004.2.2 AS SHOWN:

Table 4004.2.2
OXIDIZING GASES – DISTANCE TO EXPOSURES

Quantity of Gas Stored (cubic feet at NTP)	Distance to a building Not Associated With the Manufacture or Distribution of Oxidizing Gases or Public Way or Property Line that can be Built Upon (feet)	Distance Between Storage Areas (feet)

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 143 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REVISE SECTION 3205.1.2.5 TO READ AS FOLLOWS:

3205.1.2.5 Corrosion protection. Above-ground piping that is subject to corrosion, due to exposure to corrosive atmospheres, shall be constructed of materials to resist the corrosive environment or otherwise protected against corrosion. Below ground piping shall be protected against corrosion.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 144 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REVISE CHAPTER 2, CHAPTER 33 AND APPENDIX E AS SHOWN ON ATTACHMENT #4.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 145 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO ADD AN EXCEPTION TO SECTION 3405.3.6.1 TO READ AS FOLLOWS:

Exception: Materials used in commercial and industrial process-related cleaning operations in accordance with other provisions of this code and not involving facilities maintenance cleaning operations.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 146 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REVISE CHAPTER 1, CHAPTER 2, CHAPTER 34 AS SHOWN ON ATTACHMENT #5.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 147 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REVISE SECTION 3503.1.1 TO READ AS FOLLOWS:

3503.1.1Special Limitations for indoor storage and use. Flammable gases shall not be stored or used in Group A, B, E, ~~F,~~ I, ~~M,~~ or R~~, or S~~ occupancies.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 148 – PROPOSAL BY REED JARVIS OF THE FIRE SERVICE CODE REVISION COMMITTEE TO REVISE SECTION 4003.1.1.3 TO READ AS FOLLOWS:

4003.1.1.3 Oxidizing gases. Except for cylinders not exceeding a capacity of 250 cubic feet each used for maintenance purposes, patient care or operation of equipment, oxidizing gases shall not be stored or used in Group A, B, E, ~~F,~~ I, ~~M,~~ or R, ~~or S~~ occupancies.

Committee recommendation: Approve. This change has been approved by ICC for inclusion in the 2003 edition of the Fire Code.

ITEM 149 – PROPOSAL BY THE APARTMENT ASSOCIATION OF NC TO ADD A NEW SECTION 903.2.8.1 TO READ AS FOLLOWS:

903.2.8.1 Fire Protection Incentives. In buildings with an R-2 occupancy and Type V-B construction provided with a Residential Sprinkler System installed in accordance with Section 903.1.2, the following exception shall apply:

1. No separation shall be required between R-2 occupancy and exterior attached storage rooms.
2. The corridor fire resistance rating listed for occupancy Group R in Table 1004.3.2.1 shall be waived.
3. The penetration protection of fire resistant assemblies listed in Section 711 shall be waived. Penetrations of exits, exit access and tenant separations shall be sealed to resist the passage of smoke.

Committee recommendation: Deny proposal.

ITEM 150 - PROPOSAL BY DIVISION OF FACILITY SERVICES TO REVISE SECTION 803.5 TO READ AS FOLLOWS:

803.5 Group I-2, ~~nursing homes and hospitals.~~ The requirements in Sections 803.5.1 through 803.5.3 shall apply ~~to nursing homes and hospitals classified in~~ Group I-2.

Committee recommendation: Approve.

ITEM 151 – PROPOSAL BY DIVISION OF FACILITY SERVICES TO REVISE DELETE EXCEPTION #1 OF SECTION 803.5.1.

Committee recommendation: Deny proposal.

ITEM 152 – PROPOSAL BY DFS TO REVISE SECTION 907.2.6.1 TO READ AS FOLLOWS:

907.2.6.1 Corridors in ~~nursing homes (both intermediate care and skilled nursing facilities), detoxification facilities~~ Group I-2 and spaces permitted to be open to corridors shall be protected by an automatic fire detection system.

Committee recommendation: Approve.

ITEM 153 – PROPOSAL BY DIVISION OF FACILITY SERVICES TO REVISE THE EXCEPTIONS TO SECTION 907.2.6.1 TO READ AS FOLLOWS:

1. Corridor smoke detection is not required in smoke compartments that contain patient sleeping rooms where patient sleeping rooms are provided with smoke detectors that comply with UL 268. Such detectors shall provide a visual display on the corridor side of each patient room and shall provide an audible and visual alarm at the nursing station attending each room.
2. Corridor smoke detection is not required in smoke compartments that contain patient sleeping rooms where patient room doors are equipped with automatic door-closing devices with integral smoke detectors on the room sides installed in accordance with their listing, provided that the integral detectors perform the required alerting function.

Committee recommendation: Approve.

ADMINISTRATION COMMITTEE MEETING

The Administration Committee met on May 16, 2001 to conclude the revisions to The Administration and Enforcement Requirements. The committee will present its proposed amendments.

ELECTRICAL COMMITTEE MEETING

The Electrical Committee met on May 23, 2001, to review the IBC and the current electrical code requirements for interconnection of smoke detectors. The Electrical Committee will present its proposed revision to the IBC.

Sincerely,

Wanda D. Edwards, P. E.
Secretary