

STATE OF FLORIDA AGENCY FOR HEALTH CARE ADMINISTRATION OFFICE OF PLANS AND CONSTRUCTION

<http://www.ahca.myflorida.com/MCHQ/Plans/>

INFORMATION FOR PROJECT REVIEW

The following information is intended to assist in the submission of plans and specifications for health facility construction to the Agency for Health Care Administration, Office of Plans and Construction.

Review by this office is required only for those facilities licensed and/or certified by the Agency and required by Florida statutes to have plans reviewed by the Agency. These facility types include: Hospitals, Nursing Homes, Ambulatory Surgical Centers (ASC) and Intermediate Care Facilities for the developmentally disabled (ICF/dd).

Plans and specifications shall also be submitted to the Agency for review of all detached outpatient facilities of hospitals that provide surgical procedures requiring general anesthesia or that administer I.V. conscious sedation, that provide cardiac catheterization services, or that are to be licensed as ASCs. All other outpatient facilities of hospitals must be reviewed, except those that are physically detached from, and have no utility connections with the hospital, and that do not block emergency egress from or create a fire hazard to the hospital and do not provide services to any inpatients. To determine if a detached outpatient facility meets this plan review exemption criteria, the licensed hospital shall submit the following information for a no-fee cursory review:

- A program of services to be offered in the detached facility and a statement from the licensed hospital that no inpatients will be treated or examined within the detached facility.
- A statement that there are no utility connections to the hospital.
- The address or location of the detached outpatient facility.
- If the detached outpatient facility is on the campus of the licensed hospital, a dimensional site plan showing the location of the hospital relative to the location of the detached outpatient facility shall be provided. This information will help determine whether the emergency egress or fire safety of the hospital has been adversely affected.

After this cursory review has been completed, and if the facility meets the exemption requirements, a letter of exemption from review by the Office of Plans and Construction will be sent to the hospital. With this exemption letter, the hospital can contact the Hospital and Outpatient Unit in the Bureau of Health Facility Regulation of the Agency to list this outpatient facility as part of the hospital's outpatient program.

Adult living Facilities (ALF), Hospices, and Birthing Centers are licensed by the Agency, but plan review by the Office of Plans and Construction is not required. Fire safety surveys are required for these and facilities and are completed by either the Agency or the local fire inspecting authorities.

Renal dialysis facilities not attached to the hospital license are not licensed but are certified for federal Medicare and Medicaid. There are no regulatory physical plant requirements for these facilities and plan review is not required.

New facilities which are not listed as part of the licensed facility's outpatient program but are on the same property and/or immediately adjacent to the existing licensed facility must be submitted to the Office of Plans and Construction for a no-fee cursory review to determine whether egress and fire safety of the licensed facility has been adversely affected.

Any renovation, remodeling, addition or alteration to the physical plant of a hospital, nursing home, ASC or ICF/dd that would require a building permit must be reviewed by the Office of Plans and Construction, regardless of the cost of such alterations, before any construction may commence. Some small projects such as interior painting and preventive maintenance do not require submission to the Agency. Contact the Office of Plans and Construction if you have any questions regarding the determination of plan review requirements before undertaking any construction.

All projects submitted to this office will be given a separate and distinct project number. It is essential that this project number be included on all further material submitted for this project including drawings, specifications, letters, fee payments, etc. If additional projects are submitted for review, include on the transmittal letter all facility information requested on the Plan Review Application so a new project log number can be assigned to the project.

REQUIREMENTS FOR PROJECT SUBMISSION

The following items must be submitted to the Office of Plans and Construction before any review can be undertaken. If any of these items are not included in the submission, the project will either be placed on hold and no review initiated or the project will be disapproved and will require another submittal.

Plan Review Fee

A fee is charged by the State of Florida for the review of plans and construction. The Agency is authorized to charge an application fee of \$2,000 for the review of plans and construction on all projects, no part of which is refundable. The application fee payment must accompany the initial submission. All fees for the review, including construction surveys, will be at \$100 per hour and/or based upon the actual cost of review (including travel expense) for the remaining portions of the plan reviews and construction surveys. Any subsequent fee payment that is due is payable upon receipt of an invoice or notification in writing from the Agency.

Checks must be submitted by the provider and shall be made payable to "Treasurer, State of Florida" and should be noted "for Deposit to the Office of Plans and Construction Plan Review Trust Fund". The Agency can only accept a review fee from the provider.

Plan Review Application (PRA)

This application shall be completed in its entirety at the time the review is scheduled. If all information is not complete, accurate and current, the plans may not be able to be processed and review may not commence.

PRA form (attached) is available from this office upon request and from the Agency's web site: <http://www.ahca.myflorida.com/MCHQ/Plans/>. Completion of this form is required at the time of scheduling for initial submission.

Firm Certification and Professional Registration

At the time of Construction Document (Stage III) submittal, a current State of Florida firm certification number must be provided for each architectural and engineering design firm doing business under an assumed name. For each design professional signing, sealing and dating the submitted documents, a current and active State of Florida registration number must also be provided. Information regarding such firm certification and registration requirements may be obtained from the applicable state licensing board.

Construction documents (Stage III) submitted to this office are public record documents and must be properly signed, dated (under the signature) and sealed (embossed) by the design professional responsible for the content. Such seals and signatures must be in keeping with the requirements of the Florida State Board of Architecture and the Florida State Board of Professional Engineers. This includes the following requirements:

- Both engineers and architects must sign, date under signature and emboss seal each sheet for which they are responsible.
- If there is a book of specifications, all design professionals responsible for the content of those specifications must sign, date (under signature) and emboss seal the front cover or title sheet.
- All addenda, change orders and other forms of contract document modifications require proper sealing as described above.

Certificate of Need (CON) Requirements

Due to changes in the Florida statutes regarding Certificate of Need review, many projects no longer require a Certificate of Need, exemption or non-reviewable letters from the Agency.

In general, projects that will add some types of new beds such as hospital rehab beds or nursing home beds or certain services (such as pediatric open heart surgery, pediatric cardiac catheterization, organ transplant, comprehensive medical rehab) and all new facilities still require a valid Certificate of Need or exemption letter from the Agency before plan review can commence.

Other projects involving outpatient services, adult open heart surgery, adult cardiac catheterization, obstetrical services, equipment replacement, elimination of safety hazards, or modifications or additions to the physical plant not directly related to patient care no longer require any letter or review by the Agency for Certificate of Need purposes.

Please visit the Agency's Certificate of Need and Financial Analysis website at: http://www.ahca.myflorida.com/MCHQ/CON_FA/index.shtml. For further information, please contact the Office of Certificate of Need for information at (850) 412-4346 or write to the Agency for Health Care Administration, Office of Certificate of Need, 2727 Mahan Drive Tallahassee, FL 32308 or send them a fax at (850) 922-6964.

INFORMATION FOR PLANS SUBMISSION

For new facilities or large additions, all three stages – Stage 1, schematic; Stage II, preliminary; and Stage III, construction documents – must be submitted to this office for approval. Stage I, schematic plans, and Stage II Preliminary Plans, may not be required for small additions and alterations. Contact this office for determination.

Stage I, Schematic Plans

Program:

- Provide a detailed scope of work and describe services to be provided in the project.
- If applicable, provide a schedule showing total number of beds (existing and new), types of bedrooms (private, semiprivate) and types of ancillary spaces.

Plans:

- Provide single-line drawings of each floor showing the relationship of the various activities or services to each other and the room arrangement in each. The name of each room shall be noted. The proposed roads and walks, service entrance courts, parking and orientation may be shown on either a small plot plan or the first floor plan. A single cross-section diagram shall be submitted at this stage. A schematic Life Safety Plan showing smoke and fire compartments and exit passageways is also required.
- If the project is an addition or otherwise related to existing buildings on the site, the plans shall show the facilities and general arrangement of those buildings. Provide the construction type for both the existing building and the addition.

Stage II, Preliminary Plans

The preliminary plans are a further development of the schematic plans and shall include the following:

Program:

- Provide a detailed scope of work and describe services to be provided in the project.
- If applicable, provide a schedule showing total number of beds (existing and new), types of bedrooms (private, semiprivate) and types of ancillary spaces.

Plans:

- Civil Engineering Plans: Show existing grade and proposed improvements. Provide a vicinity map for new facilities.
- Life Safety Plans: Provide single-sheet floor plans showing fire and smoke

compartmentation, all means of egress, fire rated walls, the longest exit distances, the furthest travel distance from any point to cross corridor smoke doors, standpipe locations, fire extinguishers, and exit light locations. Additionally, dimension compartments, calculate and tabulate exit inches.

- Architectural Plans: Provide floor plans (1/8-inch scale preferred). Show door swings, windows, casework and millwork, fixed equipment and plumbing fixtures. Indicate function of each space within the space on the plan. Provide large-scale plans of typical bedrooms with tabulation of gross and net square footage of each bedroom. Provide typical large-scale wall interior and exterior sections and exterior wall elevations. Whenever an addition, alteration or remodeling or renovation to an existing facility is proposed, the general layout of spaces of the existing facility shall be submitted with the preliminary plans.
- Mechanical Engineering Drawings: Provide a one-line diagram of the ventilating system with relative pressures of each space. Provide, at least in outline form, system operation and description of drawings of any anticipated emergency smoke control system. Show existing sprinklered areas as well as areas to be sprinklered.
- Electrical Engineering Drawings: Provide a one-line diagram of normal and essential power systems showing service transformers and entrances, switchboards, transfer switches, distribution feeders and over-current devices, panel boards and step-down transformers. The diagram shall include a preliminary listing of new and existing normal block loads, preliminary estimates of available short-circuit current at all new equipment and existing equipment serving any new equipment, short-circuit and any new revised grounding requirements.
- Outline Specifications: Provide a general description of the construction, including construction classification and ratings of components, interior finishes, general types and locations of acoustical material, floor coverings, hardware groups, electrical equipment, ventilating equipment and plumbing fixtures.
- Phasing Plan: When renovation/additions must be completed in construction phasing, provide construction phasing plans indicating how all architectural, mechanical and electrical conditions will be phased to maintain the environment of care at all times in the facility.

Stage III, Construction Documents

The construction documents shall be an extension of the second stage (preliminary plan submission) and shall completely describe all new construction. These documents shall consist of work related to civil engineering, architectural, structural engineering, mechanical engineering, and electrical engineering, plus specifications for the complete description of all the disciplines. It is specifically required in the case of additions to existing facilities, that the mechanical and electrical (especially the essential electrical system) conditions be a part of this submission.

Program:

- If no Stage II Preliminary drawings were submitted, the Stage III Construction documents shall include a detailed written scope of work and services to be included in the project.

Plans:

- Life Safety Plan: This plan can be a modification of the life safety plan submitted with preliminary plans.
- Floor Plans: Ensure that they agree with the life safety plan as to the location of the firewalls, smoke partitions, horizontal exits, etc. All rooms must be labeled within the rooms on the plan.
- Architectural Plans: Provide building type of construction and fire resistance ratings of all assemblies. Indicate on the drawings the type of construction and structural fire protection that will be provided. The most stringent requirement of all applicable codes must be met.
- Mechanical and Electrical Plans: Ensure that they agree with the Life Safety Plan relative to the location of fire wall, smoke partitions, horizontal exits, fire alarm zones, etc. Coordinate with the life safety plans and indicate the names of all rooms as well as the room numbers if any. Provide complete sprinkler design drawings, electrical power studies, and break coordination studies. Construction documents can not be approved without the submission of these items.
- Hardware Schedule and Specifications: Provide a complete hardware schedule and specifications for the project.

All subsequent addenda, change orders, field orders, and contractor letters altering the above must be signed, dated (under signature), sealed and submitted for approval. Any deviation from the approved plans shall require written approval. Request for price proposals, which do not officially modify the contract, will not be reviewed.

While it is permissible to submit schematic and preliminary drawings to this office by mail, it is customary and encouraged that an appointment be made for stand-up review. Such an appointment may be made by telephone up to three weeks ahead of time. However, no appointment will be scheduled without a copy of a valid CON or Letter of Determination and a completed PRA. Because of the time required and time commitments to other facilities, a stand-up review cannot be made on construction documents except those for small projects.

When construction documents are 100 percent completed, please mail them (or have them delivered) to this office. Only one copy of the various stage drawings is necessary; additional copies may be desirable for stand-up review purposes at Stages I and II in order for the design professionals to record notes, drawings and other comments.

All facilities must comply with the requirements of the rules of licensure as prescribed by the Florida Administrative Code (F.A.C.). Those rules are identified as: Chapter 59A-3, F.A.C. (Hospitals); Chapter 59A-4, F.A.C. (Nursing Homes and Related Facilities);

Chapter 59A-5, F.A.C. (Ambulatory Surgical Centers). Copies of the applicable rules are available from the Department of State, Bureau of Administrative Codes, RA Gray Building, 500 S. Bronough St., Tallahassee, FL 32399-0250, and Attention: Liz Cloud (850-245-6270).

All facility plans and construction must also comply with the physical plant requirements of the Florida Building Code, Chapter 4, Sections 419, Hospitals, 420, Nursing Homes, and 421, Ambulatory Surgical Centers.

The architects and engineers of this office are available to answer any questions concerning health care facilities.

As noted, schematic plans and preliminary plans can be walked through and thus will receive an immediate review. A signed letter with comments will be available within 14 days after review. Construction documents, when properly signed, sealed and dated and the plan review fee has been received, will be reviewed and approved or not approved as appropriate, within 60 days from the date of the complete submission. Subsequent revised documents are subject to the same 60-day time period. If there is no response from this office after 60 days have elapsed from the date of receipt, the drawings are approved by default. However, all comments must be answered before final approval of the project may be granted.

Once the construction documents are approved, the facility has one year to begin construction. If construction has not commenced in one year, the project is considered closed and all drawings must be resubmitted for another plan review. Upon completion of the project, a complete set of legible record drawings (As Builts) shall be submitted to this office. Upon receipt of the record drawings, all previously submitted drawings and specifications will be discarded and only the record drawings will be stored in our data bank for a period of five (5) years. If no "As Built" drawings are received, one set of the first submitted construction documents and project file will be retained for the archival period.

Early foundation, site work, and demolition plans approval

Construction of the project cannot commence until final construction documents have been reviewed and approved by the Office of Plans and Construction. Approval to begin foundation, site work, structural frame, and or demolition work only may be approved prior to final construction document approval if the following items are submitted:

- A stage II preliminary approval letter from the Office of Plans and Construction
- A hold harmless letter from the facility or provider stating that the facility will not hold the Agency responsible for any changes to the foundation, site work or demolition work as a result of the final construction document review.
- A signed, sealed and dated foundation, site plan or demolition plan. **For demolition to be approved, the plans must clearly show all construction separations and air pressure relationships in the constructed areas.**

No further approvals (such as exterior facade, electrical or mechanical systems) shall

be obtained from the Office of Plans and Construction other than a completed construction document approval.

Additional information is available from the staff of this office at the addresses and telephone numbers provided.

MAILING AND OVERNIGHT/EXPRESS DELIVERIES ADDRESS

All submitted materials are to be sent to the following address:

2727 Mahan Drive, MS 24
Fort Knox Bldg. #3, Room 1211
Tallahassee, FL 32308
Telephone: 850/412-4477
Fax: 850/922-6483

For a complete listing of staff contacts in the Office of Plans and Construction, and links to other important and informative websites, please visit the Agency for Health Care Administration website at:

<http://www.ahca.myflorida.com/MCHQ/Plans/>.

APPENDIX A

APPLICABLE CODES AND STANDARDS

The plans and specifications shall identify all of the codes and standards, which are utilized in the project. Include the year of the edition used in each case. The year and edition for all codes and standards are subject to change by Florida Administrative Codes. When these changes occur, projects, which have not yet received, at least a Preliminary Stage II review and approval, will be subject to the new editions of the codes and standards.

The following is a list of the adopted codes and standards, which are to be used for projects reviewed by the Office of Plans and Construction. This list is not inclusive of all codes and standards that may apply to a project.

Design Codes and Standards

Although the construction requirements of the Florida Administrative Codes, Chapters 59A-3 (hospitals), 59A-4 (nursing homes) and 59A-5 (ambulatory surgical centers) are now contained in Chapter 4 of the Florida Building Code, the Agency for Health Care Administration remains the entity for interpretation and enforcement of these codes.

It should be noted that all of the non construction related requirements for these health care facilities such as review fees and plans submission still remain in the applicable Florida Administrative Code. These rules can be viewed and printed from the web site: <https://www.flrules.org/Gateway/Division.asp?DivID=186>.

Additional design requirements are incorporated by reference to the *Guidelines for the Design and Construction of Health Care Facilities*, 2010 edition.

Federal Fire Codes:

The federal government, through the Center for Medicare/Medicaid Services (CMS) has adopted the 2000 edition of the NFPA 101 Life Safety Code (and all referenced NFPA codes) for purposes of certification of all facilities participating in the federal Medicare/Medicaid programs. Therefore, all projects and all certified existing facilities must be in compliance with the 2000 edition of the NFPA 101 Life Safety Codes, as well as the Florida state fire codes.

Florida State Fire Codes:

Effective December 31, 2011, the following state fire codes are adopted by the State Fire Marshall's Rule 69A-3.012 F.A.C. and are the only fire codes to be used for all projects that have not received a Stage II Preliminary Plan approval prior to December 31, 2011.

69A-3.012 Standards of the National Fire Protection Association and Other Standards Adopted.

(1) Except as specifically modified by statute or by the State Fire Marshal's rules, the Florida specific edition of NFPA 101, the Life Safety Code®, 2009 edition and the Florida specific edition of NFPA 1, the Fire Code, 2009 edition, as adopted within Rule Chapter 69A-60, F.A.C., entitled the "2010 edition of the Florida Fire Prevention Code," are hereby adopted and incorporated by reference and are applicable to those buildings and structures specified in paragraphs (a) and (b) of subsection (1) of Section 633.022, F.S. In addition, the following standards, except as specifically modified in the rule chapters in Rule Title 69A, are hereby adopted and incorporated by reference and shall take effect on the effective date of this rule, as a part of the uniform fire safety standards adopted by rule by the State Fire Marshal and are applicable to those buildings and structures specified in paragraphs (a) and (b) of subsection (1) of Section 633.022, F.S.:

NFPA 10-2007 edition, Standard for Portable Fire Extinguishers

NFPA 11-2005 edition, Standard for Low-, Medium-, and High- Expansion Foam

NFPA 12-2008 edition, Standard on Carbon Dioxide Extinguishing Systems

NFPA 12A-2009 edition, Standard on Halon 1301 Fire Extinguishing Systems

NFPA 13-2007 edition, Standard for the Installation of Sprinkler Systems

NFPA 13D-2007 edition, Standard for the Installation of Sprinkler Systems in One- and Two- Family Dwellings and Manufactured Homes

NFPA 13R-2007 edition, Standard for the Installation of Sprinkler Systems in Residential Occupancies up to and including Four Stories in Height

NFPA 14-2007 edition, Standard for the Installation of Standpipe and Hose Systems

NFPA 15-2007 edition, Standard for Water Spray Fixed Systems for Fire Protection

NFPA 16-2007 edition, Standard for the Installation of Foam-Water Sprinkler and Foam-Water Spray Systems

NFPA 17-2009 edition, Standard for Dry Chemical Extinguishing Systems

NFPA 17A-2009 edition, Standard on Wet Chemical Extinguishing Systems

NFPA 20-2007 edition, Standard for the Installation of Stationary Pumps for Fire Protection

NFPA 22-2008 edition, Standard for Water Tanks for Private Fire Protection

NFPA 24-2007 edition, Standards for the Installation of Private Fire Service Mains and Their Appurtenances

NFPA 25-2008 edition, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems

NFPA 30-2008 edition, Flammable and Combustible Liquids Code

NFPA 30A-2008 edition, Code for Motor Fuel Dispensing Facilities and Repair Garages

NFPA 30B-2007 edition, Code for the Manufacture and Storage of Aerosol Products

NFPA 31-2006 edition, Standard for the Installation of Oil Burning Equipment

NFPA 32-2007 edition, Standards for Drycleaning Plants

NFPA 33-2007 edition, Standard for Spray Application Using Flammable or Combustible Materials

NFPA 34-2007 edition, Standard for Dipping and Coating Processes Using Flammable or Combustible Liquids

NFPA 35-2005 edition, Standard for the Manufacture of Organic Coatings

NFPA 36-2004 edition, Standard for Solvent Extraction Plants

NFPA 37-2006 edition, Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines

NFPA 40-2007 edition, Standard for the Storage and Handling of Cellulose Nitrate Film

NFPA 45-2004 edition, Standard on Fire Protection for Laboratories Using Chemicals

NFPA 51-2007 edition, Standard for the Design and Installation of Oxygen-Fuel Gas Systems for Welding, Cutting and Allied Processes

NFPA 51A-2006 edition, Standard for Acetylene Cylinder Charging Plants

NFPA 51B-2009 edition, Standard for Fire Prevention During Welding, Cutting and Other Hot Work

NFPA 52-2006 edition, Vehicular Fuel Systems Code

NFPA 53-2011 edition, Recommended Practice on Materials, Equipment, and Systems Used in Oxygen-Enriched Atmospheres

NFPA 54-2009 edition, National Fuel Gas Code

NFPA 55-2005 edition, Standard for the Storage, Use, and Handling of Compressed Gases and Cryogenic Fluids in Portable and Stationary Containers, Cylinders and Tanks

NFPA 58-2008 edition, Liquefied Petroleum Gas Code

NFPA 59-2008 edition, Utility LP-Gas Plant Code

NFPA 59A-2009 edition, Standard for the Production, Storage and Handling of Liquefied Natural Gas (LNG)

NFPA 61-2008 edition, Standard for the Prevention of Fires and Dust Explosions in Agricultural and Food Products Facilities

NFPA 68-2007 edition, Standard on Explosion Protection by Deflagration Venting

NFPA 69-2008 edition, Standard on Explosion Prevention Systems

NFPA 70-2008 edition, National Electrical Code®

NFPA 72-2007 edition, National Fire Alarm Code®

NFPA 75-2009 edition, Standard for the Protection of information Technology Equipment

NFPA 80-2007 edition, Standard for Fire Doors and Other Opening Protectives

NFPA 80A-2007 edition, Recommended Practice for Protection of Buildings from Exterior Fire Exposures

NFPA 82-2004 edition, Standard on Incinerators and Waste and Linen Handling Systems and Equipment

NFPA 85-2007 edition, Boiler and Combustion Systems Hazards Code

NFPA 86-2007 edition, Standard for Ovens and Furnaces

NFPA 88A-2007 edition, Standard for Parking Structures

NFPA 90A-2009 edition, Standard for the Installation of Air-Conditioning and Ventilating Systems

NFPA 90B-2009 edition, Standard for the Installation of Warm Air Heating and Air-Conditioning Systems

NFPA 91-2004 edition, Standard for Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Noncombustible Particulate Solids

NFPA 92A-2009 edition, Standard for Smoke-Control Systems Utilizing Barriers and Pressure Differences

NFPA 92B-2009 edition, Standard for Smoke Management Systems in Malls, Atria, and Large Spaces

NFPA 96-2008 edition, Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations. Section 10-2.3 of NFPA 96 applies prospectively only. Existing installations are permitted to remain in place subject to the approval of the authority having jurisdiction.

NFPA 99-2005 edition, Standard for Health Care Facilities

NFPA 99B-2010 edition, Standard for Hypobaric Facilities

NFPA 101A-2007 edition, Guide on Alternative Approaches to Life Safety

NFPA 102-2006 edition, Standard for Grandstands, Folding and Telescoping Seating, Tents and Membrane Structures

NFPA 105-2007 edition, Standard for the Installation of Smoke Door Assemblies and Other Opening Protectives

NFPA 110-2005 edition, Standard for Emergency and Standby Power Systems

NFPA 111-2005 edition, Standard on Stored Electrical Energy Emergency and Standby Power Systems

NFPA 115-2008 edition, Standard for Laser Fire Protection

NFPA 120-2004 edition, Standard for Fire Prevention and Control in Coal Mines

NFPA 122-2004 edition, Standard for Fire Prevention and Control in Metal/Nonmetal Mining and Metal Mineral Processing Facilities

NFPA 130-2010 edition, Standard for Fixed Guideway Transit and Passenger Rail Systems

NFPA 140-2008 edition, Standard on Motion Picture and Television Production Studio Soundstages, Approved Production Facilities, and Production Locations

NFPA 150-2007 edition, Standard on Fire and Life Safety in Animal Housing Facilities

NFPA 160-2006 edition, Standard for Use of Flame Effects Before an Audience

NFPA 170-2006 edition, Standard for Fire Safety and Emergency Symbols

NFPA 204-2007 edition, Standard for Smoke and Heat Venting

NFPA 211-2006 edition, Standard for Chimneys, Fireplaces, Vents, and Solid Fuel Burning Appliances

NFPA 214-2011 edition, Standard on Water-Cooling Towers
NFPA 221-2009 edition, Standard for High Challenge Fire Walls, Fire Walls, and Fire Barrier Walls
NFPA 232-2007 edition, Standard for the Protection of Records
NFPA 241-2004 edition, Standard for Safeguarding Construction, Alteration and Demolition Operations
NFPA 251-2006 edition, Standard Methods of Tests of Fire Resistance of Building Construction and Materials
NFPA 252-2008 edition, Standard Methods of Fire Tests of Door Assemblies
NFPA 253-2006 edition, Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source
NFPA 255-2006 edition, Standard Method of Test of Surface Burning Characteristics of Building Materials
NFPA 256-2003 edition, Standard Methods of Fire Tests of Roof Coverings
NFPA 257-2007 edition, Standard on Fire Tests for Window and Glass Block Assemblies
NFPA 259-2008 edition, Standard Test Method for Potential Heat of Building Materials
NFPA 260-2009 edition, Standard Methods of Test and Classification System for Cigarette Ignition Resistance of Components of Upholstered Furniture
NFPA 261-2009 edition, Standard Method of Test for Determining Resistance of Mock-Up Upholstered Furniture Material Assemblies to Ignition by Smoldering Cigarettes
NFPA 265-2007 edition, Standard Methods of Fire Tests for Evaluating Room Fire Growth Contribution of Textile Coverings on full Height Panels and Walls
NFPA 271-2004 edition, Standard Method of Test for Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter
NFPA 286-2006 edition, Standard Methods of Fire Test for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth
NFPA 288-2007 edition, Standard Methods of Fire Tests of Floor Fire Door Assemblies Installed Horizontally in Fire Resistance-Rated Floor Systems
NFPA 291-2007 edition, Recommended Practice for Fire Flow Testing and Marking of Hydrants
NFPA 302-2004 edition, Fire Protection Standard for Pleasure and Commercial Motor Craft
NFPA 303-2006 edition, Fire Protection Standards for Marinas and Boatyards
NFPA 307-2006 edition, Standard for the Construction and Fire Protection of Marine Terminals, Piers, and Wharves
NFPA 312-2006 edition, Standard for Fire Protection of Vessels During Construction, Conversion, Repair, and Lay-Up
NFPA 318-2009 edition, Standard for the Protection of Semiconductor Fabrication Facilities
NFPA 326-2005 edition, Standard for the Safeguarding of Tanks and Containers for Entry, Cleaning, or Repair
NFPA 385-2007 edition, Standard for Tank Vehicles for Flammable and Combustible Liquids
NFPA 407-2007 edition, Standard for Aircraft Fuel Servicing
NFPA 409-2004 edition, Standard on Aircraft Hangars
NFPA 410-2004 edition, Standard on Aircraft Maintenance
NFPA 415-2008 edition, Standard on Airport Terminal Buildings, Fueling Ramp Drainage, and Loading Walkways
NFPA 418-2006 edition, Standard for Heliports
NFPA 430-2004 edition, Code for Storage of Liquid and Solid Oxidizers
NFPA 432-2002 edition, Code for Storage of Organic Peroxide Formulations
NFPA 434-2002 edition, Code for the Storage of Pesticides
NFPA 484-2009 edition, Standard for Combustible Metals
NFPA 490-2002 edition, Code for the Storage of Ammonium Nitrate
NFPA 495-2006 edition, Explosive Materials Code
NFPA 498-2006 edition, Standard for Safe Havens and Interchange Lots for Vehicles Transporting Explosives
NFPA 501-2005 edition, Standard on Manufactured Housing
NFPA 501A-2005 edition, Standard for Firesafety Criteria for Manufactured Home Installations, Sites, and Communities
NFPA 502-2011 edition, Standard for Road Tunnels, Bridges, and Other Limited Access Highways
NFPA 505-2006 edition, Fire Safety Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Conversions, Maintenance, and Operation
NFPA 560-2007 edition, Standard for the Storage, Handling, and Use of Ethylene Oxide for Sterilization and Fumigation
NFPA 601-2005 edition, Standard for Security Services in Fire Loss Prevention
NFPA 654-2006 edition, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing,

Processing, and Handling of Combustible Particulate Solids
 NFPA 655-2007 edition, Standard for Prevention of Sulfur Fires and Explosions
 NFPA 664-2007 edition, Standard for the Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities
 NFPA 701-2004 edition, Standard Methods of Fire Tests for Flame Propagation of Textiles and Films
 NFPA 703-2009 edition, Standard for Fire Retardant-Treated Wood and Fire-Retardant Coatings for Building Materials
 NFPA 704-2007 edition, Standard System for the Identification of the Hazards of Materials for Emergency Response
 NFPA 750-2006 edition, Standard on Water Mist Fire Protection Systems
 NFPA 780-2011 edition, Standard for the Installation of Lightning Protection Systems
 NFPA 820-2008 edition, Standard for Fire Protection in Wastewater Treatment and Collection Facilities
 NFPA 850-2010 edition, Recommended Practice for Fire Protection for Electric Generating Plants and High Voltage Direct Current Converter Stations
 NFPA 909-2005 edition, Code for the Protection of Cultural Resources Properties – Museums, Libraries, and Places of Worship
 NFPA 914-2007 edition, Code for Fire Protection of Historic Structures
 NFPA 1122-2008 edition, Code for Model Rocketry
 NFPA 1123-2006 edition, Code for Fireworks Display
 NFPA 1124-2006 edition, Code for the Manufacture, Transportation, Storage, and Retail Sale of Fireworks and Pyrotechnic Articles
 NFPA 1125-2007 edition, Code for the Manufacture of Model Rocket and High Power Rocket Motors
 NFPA 1126-2006 edition, Standard for the Use of Pyrotechnics Before a Proximate Audience
 NFPA 1127-2008 edition, Code for High Power Rocketry
 NFPA 1142-2007 edition, Standard on Water Supplies for Suburban and Rural Fire Fighting
 NFPA 1144-2008 edition, Standard for Reducing Structure Ignition Hazards from Wildland Fire
 NFPA 1192-2008 edition, Standard on Recreational Vehicles
 NFPA 1194-2008 edition, Standard for Recreational Vehicle Parks and Campgrounds
 NFPA 1221-2010 edition, Standard for the Installation, Maintenance, and Use of Emergency Services Communications Systems
 NFPA 1561-2008 edition, Standard on Emergency Services Incident Management System
 NFPA 1600-2007 edition, Standard on Disaster/Emergency Management and Business Continuity Programs
 NFPA 1962-2008 edition, Standard for the Inspection, Care, and Use of Fire Hose, Couplings, and Nozzles and the Service Testing of Fire Hose
 NFPA 1963-2003 edition, Standards for Fire Hose Connections
 NFPA 2001-2008 edition, Standard on Clean Agent Fire Extinguishing Systems
 The portions of 49 Code of Federal Regulations, Parts 100-177 which are referenced in Compressed Gas Association CGA C-1-1996, Methods for Hydrostatic Testing of Compressed Gas Cylinders, Compressed Gas Association CGA C-6-1993, Standards for Visual Inspection of Steel Compressed Gas Cylinders, Seventh Edition, Reaffirmed 1995, Compressed Gas Association CGA C-6.1-1995, Standards for Visual Inspection of High Pressure Aluminum Compressed Gas Cylinders, and Compressed Gas Association CGA C-6.3-1999 Guidelines for Visual Inspection and Requalification of Low Pressure Aluminum Compressed Gas Cylinders, Second Edition, and which pertain to low pressure and high pressure cylinders.
 The portions of 29 Code of Federal Regulations, Parts 1900-1910 which are referenced in Compressed Gas Association CGA C-1-1996, Methods for Hydrostatic Testing of Compressed Gas Cylinders, Compressed Gas Association CGA C-6-1993, Standards for Visual Inspection of Steel Compressed Gas Cylinders, Seventh Edition, Reaffirmed 1995, Compressed Gas Association CGA C-6.1-1995, Standards for Visual Inspection of High Pressure Aluminum Compressed Gas Cylinders, and Compressed Gas Association CGA C-6.3-1999 Guidelines for Visual Inspection and Requalification of Low Pressure Aluminum Compressed Gas Cylinders, Second Edition, and which pertain to low pressure and high pressure cylinders.
 Compressed Gas Association CGA C-1-1996, Methods for Hydrostatic Testing of Compressed Gas Cylinders.
 Compressed Gas Association CGA C-6-1993, Standards for Visual Inspection of Steel Compressed Gas Cylinders, Seventh Edition, Reaffirmed 1995.
 Compressed Gas Association CGA C-6.1-1995, Standards for Visual Inspection of High Pressure Aluminum Compressed Gas Cylinders.

Compressed Gas Association CGA C-6.3-1999, Guidelines for Visual Inspection and Requalification of Low Pressure Aluminum Compressed Gas Cylinders, Second Edition.

(2) All buildings, structures, establishments, facilities, equipment, or vehicular equipment over which the State Fire Marshal has jurisdiction which are constructed, renovated, expanded, rehabilitated, or in any other way significantly altered on or after the effective date of the adoption of the codes and standards adopted in subsection (1), above, shall conform to the requirements of the codes, standards, recommended practices, and manuals contained therein, unless the structure, establishment, or facility has been exempted from complying because the building, structure, establishment, facility, equipment, or vehicular equipment has been granted an exemption from compliance by act of the Legislature.

(3) All buildings, structures, establishments, facilities, equipment, or vehicular equipment over which the State Fire Marshal has jurisdiction which are in existence on or after the effective date of the adoption of the codes and standards adopted in subsection (1), above, shall conform to the requirements of those codes and standards within a reasonable period of time. It is understood that the correction of some fire safety violations will necessitate the employment of design professionals while other violations can be expeditiously resolved. "Within a reasonable time" is defined as the amount of time it would normally take to correct a specific fire code violation under the assumption that the property owner would begin to correct said violations upon receipt of an official document from the enforcing agency.

(4) The codes and standards published by the National Fire Protection Association, including the Florida edition of NFPA 1 and NFPA 101 as adopted in Rule Chapter 69A-60, F.A.C., may be obtained by writing to BNi, 1612 S. Clementine Street, Anaheim, CA 92802. ANSI standards may be obtained from the American National Standards Institute, 25 West 43rd Street, 4th Floor, New York, N.Y. 10036. ANSI/ASME standards may be obtained from the American Society of Mechanical Engineers, Three Park Avenue, New York, N.Y. 10016-5990. ASTM standards may be obtained from the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959. UL standards may be obtained from Underwriters Laboratories, Inc., 333 Pfingston Road, Northbrook, IL 60062. All standards incorporated by reference in this rule are also available for public inspection during regular business hours at the Division currently located on the third floor (Room 326) of the Atrium Building, 325 John Knox Road, Tallahassee, Florida.

(5) The Code of Federal Regulations and the Compressed Gas Association (CGA) documents incorporated by reference in this rule are available for public inspection during regular business hours at the Division currently located on the third floor (Room 326) of the Atrium Building, 325 John Knox Road, Tallahassee, Florida.

(6) Notice required for structures with light-frame truss-type construction.

Purpose: The purpose of this rule is to require the placement of an identifying symbol on structures constructed with a light-frame truss component in a manner sufficient to warn persons conducting fire control and other emergency operations of the existence of light-frame truss-type construction in the structure.

(a) Definitions.

1. "Light-frame truss-type construction" means a type of construction whose primary structural elements are formed by a system of repetitive wood or light gauge steel framing members.

2. "Approved symbol" means a Maltese Cross measuring 8 inches horizontally and 8 inches vertically, of a bright red reflective color, designed in accordance with Figure 1.

(b) Any commercial, industrial, or any multiunit residential structure of three units or more which uses horizontal or vertical light-frame truss-type construction in any portion shall be marked with an approved symbol. Townhouses are not multiunit residential structures and therefore not subject to this rule. Each approved symbol shall include within the center circle one of the following designations:

1. Structures with light-frame truss roofs shall be marked with the letter "R".

2. Structures with light-frame truss floor systems shall be marked with the letter "F".

3. Structures with light-frame truss floor and roof systems shall be marked with the letters "R/F".

(c) The approved symbol shall be placed within 24 inches to the left of the main entry door and:

1. Be permanently attached to the face of the structure on a contrasting background, or

2. Be mounted on a contrasting base material which is then permanently attached to the face of the structure.

(d) The distance above the grade, walking surface or the finished floor to the bottom of the symbol shall be not less than 4 feet (48 in).

(e) The distance above the grade, walking surface or the finished floor to the top of the symbol shall be not more than 6 feet (72 in).

(7) In single tenant structures with multiple main entry doors, such as big box retail stores, department stores and grocery stores, the authority having jurisdiction is authorized to require that other main entry doors of the

structure be marked with an approved symbol to carry out the purpose in subsection (6) above.

(8) In multiple tenant structures and covered malls with multiple main entry doors, the authority having jurisdiction is authorized to require that other main entry doors be marked with an approved symbol to carry out the purpose in subsection (6) above. In such structures, approved symbols shall be marked on one side only and spaced not closer than 100 feet or at each end of the structure when such structure is less than 100 feet in length.

(9) The owner of each new structure required to comply with this section shall mark the structure with the approved symbol prior to receiving a certificate of occupancy.

(10) The owner of each existing structure required to comply with this section shall mark the structure with the approved symbol within 90 days of the effective date of this rule section.

(11) Where the owner of the structure and the authority having jurisdiction disagree as to the use of light-frame truss-type construction within the structure, the owner shall be granted not more than 45 days to provide written verification from a licensed engineer or licensed architect; otherwise the owner shall comply with the rule.

Figure 1:

Approved Symbol



Light-frame "Roof" only



Light-frame "Floor" only



Light- frame “Floor & Roof”

Rulemaking Authority 633.01(1), 633.022, 633.0215, 633.027 FS. Law Implemented 633.01, 633.022, 633.0215, 633.027 FS. History—New 5-14-86, Amended 2-12-87, 4-8-90, 10-30-91, 4-3-95, 11-27-01, Formerly 4A-3.012, Amended 8-7-05, 5-18-08, 12-31-08, 12-13-09, 12-31-11.

Florida Building Codes To obtain these codes you may see them or order them from The Department of Business and Professional Regulation – Florida Building Commission at the web site: <http://www.floridabuilding.org/>

Effective March 15th, 2012, the following building codes are adopted by The Florida Building Code Commission and are the only building codes to be used for all projects that have not received a Stage II Preliminary Plan or a Stage III Construction Document Plan approval prior to March 15th, 2012.

- Florida Building Code 2010
- Florida Accessibility Code 2012
- Florida Building Code - Test Protocols (High Velocity Hurricane Zones) 2010
- Florida Building Code - Mechanical Code 2010
- Florida Building Code - Plumbing Code 2010
- Florida Building Code - Fuel Gas Code 2010

APPENDIX B

CONSTRUCTION SURVEY CHECKLIST

The following checklists were compiled to assist in the successful survey of construction. The facility is only required to pass the final survey in order to utilize the project for its intended purpose. Because of current budget restraints, the Agency is no longer able to conduct 40 percent surveys. However, it is strongly suggested that the facility utilize the following checklist to properly prepare for the 80% and final construction surveys.

AHCA 80 Percent Surveys

At the 80 Percent Survey, walls, ceiling assemblies and shaft walls should be completed. Door frames, windows, stair, railings, etc., should be installed. All mechanical equipment should be sent and all ductwork and dampers installed. All electrical equipment and devices should be in place and main power feeds connected.

PERSONNEL WHO MAY BE PRESENT AT SITE

- Project architect
- Project engineers
- Project manager
- Superintendent
- Drywall contractor
- Mechanical contractor
- Electrical contractor
- Owner or owner's representative (at least at exit interview)
- Laborers to move ladders, equipment, etc.

EQUIPMENT

- Ladders—at least one for each discipline (large projects may require more)
- Flat head and Philips screwdriver, pliers or wrench, drywall saw etc.
- Flashlight (for owner's representative)
- Two-way radios for each discipline tuned to the same frequency (for large projects)
- Table and chairs at a pre-selected area for plan-review, conference and exit interview

PAPERWORK

- Set of construction documents approved by AHCA
- Sprinkler working drawings approved by AHCA
- Life safety plan (preferably reduced for convenient use)
- Outstanding AHCA plan review comments.
- All AHCA approval letters
- All correspondence from AHCA
- All change orders and field orders
- Previous AHCA construction survey letters

MANUFACTURER'S DATA AND TECHNICAL INFORMATION

- Proprietary systems used
- Independent fire test of all rated assemblies
- Damper installation instructions for each type installed (U.L. approved)
- Duct smoke detector installation instructions

ARCHITECTURAL

- Separation between construction and occupied areas
- Exits
- Fire / Smoke walls
- Fire rated assemblies
- Steel fireproofing
- Stairs and handrails
- Fire Stopping / Draft Stopping
- Access panels
- Door frames
- Room Sizes
- Windows
- Scuppers or auxiliary drains

MECHANICAL

- Plumbing rough-in
- Sleeves for pipes and ducts through rated walls
- Sprinkler piping
- Mechanical equipment location
- Mechanical rooms
- Fire pump room
- Grease duct location
- Medical gas piping rough-in
- Damper installations

ELECTRICAL

- Normal main service switchgear
- Rough-in of bulk conduits
- Panel board locations
- Generator, transfer switches, transformer locations
- Exit lighting
- Receptacle requirement locations
- Lightning protection
- Wiring
- Access panels
- Grounding (main /equipotential /lightning)

AHCA Final Survey

PERSONNEL WHO MAY BE PRESENT AT SITE

- Project architect
- Project engineers
- Project manager
- Superintendent

- Drywall contractor
- Mechanical contractor
- Owner or owner's representative (at least at the exit interview)
- Laborers to move ladders, equipment, etc.
- Fire alarm contractor
- Nurse call contractor
- Sprinkler contractor
- Generator or special emergency power contractor

EQUIPMENT

- Ladders—at least one for each discipline (large projects may require more)
- Flat head and Philips screwdriver, pliers or wrench, drywall saw etc.
- Flashlight (for owner's representative)
- Two-way radios for each discipline tuned to the same frequency (for large projects)
- Table and chairs at a pre-selected area for plan-review, conference and exit interview

PAPERWORK

- Set of construction documents approved by AHCA
- Sprinkler working drawings approved by AHCA
- Life safety plan (preferably reduced for convenient use)
- Outstanding AHCA plan review comments
- All AHCA approval letters
- All correspondence from AHCA
- All change orders and field orders
- Previous AHCA construction survey letters
- Emergency evacuation plan
- Fire exit drill plan
- Date sprinkler system was checked
- Date smoke detectors were tested in place

MANUFACTURER'S DATA AND TECHNICAL INFORMATION

- Proprietary systems used
- Independent fire test of all rated assemblies
- Damper installation instructions for each type installed (U.L. approved)
- Duct smoke detector installation instructions
- Rated lay-in ceiling instructions
- Electrical panels, switchboards, transformers, equipment instructions

SYSTEMS CHECK TO BE COMPLETED PRIOR AND DURING AHCA SURVEY

- Fire alarm and third party tie-in
- Fire protection and Halon tests
- Nurse call and code blue
- Medical gas system test
- Dry or wet chemical suppression tests
- Kitchen equipment start-up
- HVAC system start-up
- Equipotential grounding
- Smoke detector sensitivity (signed by licensed master contractor)

CERTIFICATIONS

- Flame spread ratings for paint and vinyl wall coverings
- Flame spread ratings for vinyl flooring, acoustical tile and building insulation
- Flame resistant bedding
- Flame retardant certification for lumber
- Flame resistant certification for draperies and cubicle curtains
- Critical radiant flux ratings for carpet
- Metal or U.L approved waste baskets
- State elevator certificate
- Spray-on fireproofing certification for steel
- Lead-lined flame certificate
- Concrete masonry unit certification
- Medical gas certification
- Water purification certificate
- Incinerator EPA certificate – smoke reader
- Sprinkler system hydraulic data label
- HVAC test and balance report
- Pressure differential test readings for duct smoke detectors
- Halon system certification
- Nurse call code blue listed for its intended purpose
- Lightning protection with application for certification
- Emergency generator low level fuel/high level fuel certification
- Smoke detector activation/sensitivity test (include listed range)
- List of certification of the isolated power systems (ISO)
- Main building ground certification
- Equipotential grounding certification

STATE OF FLORIDA
PLAN REVIEW APPLICATION (PRA)
(To initiate project review, all items must be complete!)

<u>FACILITY REPORT</u>	<i>PLEASE UPDATE ALL CHANGES AS REQUIRED</i>	Project Number <i>(Assigned by OPC)</i> _____
		Team <i>(Assigned by OPC)</i> _____
FACILITY NAME: _____		
FACILITY ADDRESS: _____ CITY _____ COUNTY _____ ZIP _____		
FACILITY CONTACT PERSON: _____ TITLE: _____		
PHONE: (____) _____ FAX: (____) _____ E-MAIL: _____		

<u>PROJECT REPORT</u>	<i>PLEASE UPDATE ALL CHANGES AS REQUIRED</i>	Team <i>(Assigned by OPC)</i> _____
PROJECT NAME: _____		
ADDRESS OR DESCRIPTIVE LOCATION <i>(If different from Facility)</i> _____		
_____ CITY _____ COUNTY _____ ZIP _____		
PROJECT CONTACT PERSON:* _____ TITLE _____		
*<i>(To Be Contacted For Construction Survey Scheduling)</i>		
PHONE: (____) _____ FAX: (____) _____ E-MAIL: _____		
PROJECT COST ESTIMATE: <i>(Must be filled in)</i> \$ _____ BUILDING DEPARTMENT _____		

<u>ALL CORRESPONDENCE WILL BE ADDRESSED TO THE FOLLOWING</u>		
<i>PLEASE UPDATE ALL CHANGES AS REQUIRED</i>		
<u>OWNER</u>		
OWNER: <i>(COMPANY NAME)</i> _____		
OWNER CONTACT PERSON: _____ TITLE _____		
ADDRESS: <i>(If different than facility)</i> _____		
CITY _____ STATE _____ COUNTY _____ ZIP _____		
PHONE: (____) _____ FAX: (____) _____ E-MAIL: _____		

<u>BILLING</u> <i>(Must be owner or owner's certified representative)</i>	<i>PLEASE UPDATE ALL CHANGES AS REQUIRED</i>
BILLING: <i>(COMPANY NAME)</i> _____	
BILLING: CONTACT PERSON _____ TITLE _____	
ADDRESS: <i>(If different than facility)</i> _____	
CITY _____ STATE _____ COUNTY _____ ZIP _____	
PHONE: (____) _____ FAX (____) _____ E-MAIL: _____	

(To initiate project review, all items must be complete!)

*****PROVIDE A CON. COPY OF LETTER OF NOTIFICATION, EXEMPTION OR NON REVIEWABLE***
(EXCEPTION: NOT REQUIRED FOR AMBULATORY SURGICAL CENTER)**

C.O.N. # _____ EXP. DATE _____ SQ. FT (CON) _____ EXEMPT # _____ NON-REVIEWABLE # _____
LETTER OF NOTIFICATION FROM CON: _____

ANY CHANGES IN THE DESIGNATED PROJECT PLAYERS MUST BE UPDATED ON THIS FORM AS REQUIRED. NEW FIRMS MUST PROVIDE A REVISED APPLICATION FOR REVIEW AND A LETTER FROM THE OWNER STATING THIS ACCEPTANCE. ALL OTHER STATUTORY REQUIREMENTS FOR ASSUMING ARCHITECTURAL/ENGINEERING REPRESENTATION MUST BE COMPLETED.

THE FOLLOWING FIRMS WILL BE COPIED WITH ALL CORRESPONDENCE

PROJECT PLAYER REPORT

ARCH. FIRM _____

FIRM CERTIFICATION AAC- _____

PROJECT MGR. _____
ARCHITECT FOR SIGNING & SEALING _____
MAILING ADDRESS _____
CITY _____ STATE _____ ZIP CODE _____
E-MAIL _____

FLA. REGISTRATION AR- _____
TELEPHONE NO. _____
FAX: _____

MECH. ENG. FIRM _____

FIRM CERTIFICATION CA- _____

PROJECT MGR. _____
ENGINEER FOR SIGNING & SEALING _____
MAILING ADDRESS _____
CITY _____ STATE _____ ZIP CODE _____
E-MAIL _____

FLA. REGISTRATION PE- _____
TELEPHONE NO. _____
FAX: _____

SPRK. ENG. FIRM _____

FIRM CERTIFICATION CA- _____

PROJECT MGR. _____
ENGINEER FOR SIGNING & SEALING _____
MAILING ADDRESS _____
CITY _____ STATE _____ ZIP CODE _____
E-MAIL _____

FLA. REGISTRATION PE- _____
TELEPHONE NO. _____
FAX: _____

ELEC. ENG. FIRM _____

FIRM CERTIFICATION CA- _____

PROJECT MGR. _____
ENGINEER FOR SIGNING & SEALING _____
MAILING ADDRESS _____
CITY _____ STATE _____ ZIP CODE _____
E-MAIL _____

FLA. REGISTRATION PE- _____
TELEPHONE NO. _____
FAX: _____

ELEC. ENG. FIRM _____

FIRM CERTIFICATION CA- _____

PROJECT MGR. _____
ENGINEER FOR SIGNING & SEALING _____
MAILING ADDRESS _____
CITY _____ STATE _____ ZIP CODE _____
E-MAIL _____

FLA. REGISTRATION PE- _____
TELEPHONE NO. _____
FAX NO. _____
FAX: _____

STRUCT. ENG. FIRM _____

FIRM CERTIFICATION CA- _____

PROJECT MGR. _____
ENGINEER FOR SIGNING & SEALING _____
MAILING ADDRESS _____
CITY _____ STATE _____ ZIP CODE _____
E-MAIL _____

FLA. REGISTRATION PE- _____
TELEPHONE NO. _____
FAX NO. _____
FAX: _____