PART 1 - INTRODUCTION

1.01 OVERVIEW

A. This Section addresses minimum codes, guidelines, regulations and standards that must be appropriately applied in designing facility systems and components.

B. Design MD Anderson construction projects to comply with all applicable codes, guidelines, and standards referenced herein and those not referenced herein that are pertinent based upon Project Scope.

C. Code applicable during the Programming Phase of Project shall determine the applicable edition of an adopted code, regulation, standard, amendment and/or addendum.

D. The A/E shall obtain and become familiar with requirements of Owner's insurance underwriter.

E. Document project related communications with code and regulatory agents and expediently forward communication documentation to Owner's Project Manager.

F. Where the A/E considers that compliance is not possible, the A/E shall communicate such concerns in writing to the Owner's Project Manager and resolve all non-compliance issues in sufficient time during the Design Phase of the Project to meet contract schedule obligations.

PART 2 - GENERAL REQUIREMENTS

2.01 CODES AND STANDARDS ANALYSIS

A. The A/E shall prepare a written codes and standards analysis, “Building Code Analysis”, for each Project and submit for review by Owner. Refer to Exhibit 1 “Building Code Analysis Template” (attached).

B. The Building Code Analysis shall provide a side-by-side comparison of listed codes and standards requirements and an indication of which code requirement is being applied to the Project.

C. In the presence of a specific non-life safety conflict between codes, the default is to design to the more stringent or robust code. In the presence of a life safety conflict, follow
Element Z General Design Requirements

Owner Standards and Other Requirements

Z2005 Codes and Applicable Regulatory Agencies

requirements in 2.03 Life Safety Compliance. These code discussions are to be Project specific and on a point-by-point basis within the codes.

2.02 AUTHORITY HAVING JURISDICTION

A. The State Fire Marshal is the code authority having jurisdiction for all issues pertaining to NFPA 101 Life Safety Code and NFPA 1 Fire Code.

B. Environmental Health and Safety, Sustainability and Energy Management (EHSSEM) department of MD Anderson is the local code authority having jurisdiction for all issues pertaining to ADA, TAS, NFPA, and NEC. EHSSEM will relay any changes in code requirements as mandated by the State Fire Marshal specifically relating to NFPA 101 Life Safety Code and NFPA 1 Fire Code.

C. If local code interpretation for any aspect of the Project is needed, the A/E shall inform Owner of the need for an interpretation and Owner will establish requirements for resolution.

2.03 LIFE SAFETY CODE COMPLIANCE

A. Conflicts between NFPA 101 NFPA 1 and other codes shall be resolved according to the following:

1. NFPA 101 and NFPA 1 supersedes all other codes on fire and life safety issues.

2. In the case of a conflict between NFPA 101 and NFPA 1 the issue is to be brought to the Project Management team and EHS, as local AHJ and liaison with the State Fire Marshal’s Office for direction on resolution.

3. If NFPA 101 and NFPA 1 is silent on the conflict, the issue is to be brought to the Project Management team and EHS, as local AHJ and liaison with the State Fire Marshal’s Office for direction on resolution.

B. The Project Architect/Engineer acknowledges that construction projects for the University of Texas MD Anderson Cancer Center must, at a minimum, be designed in accordance with the requirements of National Fire Protection Association (NFPA) 101-2015, Life Safety Code, as currently adopted by the University of Texas System and NFPA 1 -2015 Fire Code, as currently adopted by the State Fire Marshal, Texas Government Code sec. 417.008(e).
C. Therefore, Project Architect/Engineer affirms that, to the best of his/her professional judgment, knowledge, and belief, the design of this project satisfies the requirements of NFPA 101, Life Safety Code, and NFPA 1, Fire Code, as well as, any other codes or standards made applicable to the project by the professional services agreement.

2.04 APPLICABLE CODES, GUIDELINES, AND STANDARDS

A. Determine applicability of the codes, guidelines, and standards listed herein and identify any and all other pertinent ordinances and assure compliance thereto. As per the A/E’s “Building Code Analysis”, design and construction shall meet the minimum standards prescribed in all applicable codes and standards, including, but not limited to, the following:

2. 2015 NFPA 1, Fire Code
3. 2015 International Building Code
4. 2015 International Mechanical Code
5. 2015 International Plumbing Code
6. 2010 American with Disabilities Act
7. 2012 Texas Accessibility Standards
8. 2016 ANSI / ASHRAE/ IES 90.1 Energy Standard for Buildings

PART 3 - SPECIAL CONTRACT DOCUMENT REQUIREMENTS

3.01 GENERAL

A. The final approved Building Code Analysis shall be placed within the Contract Drawings for future reference.
B. The A/E shall familiarize themselves with the codes, guidelines, and standards and incorporate all applicable requirements within Contract Drawings and Specifications.

C. Note that Owner takes various exceptions to the International Plumbing Code and has adopted the more stringent requirements that are included within these Elements and MD Anderson Master Construction Specifications. These exceptions shall be indicated within the Contract Documents.

D. The A/E shall be required to provide an affirmation statement that the Project is designed in compliance with applicable codes and standards. The following statement shall be located on the Drawing index page or adjacent the Project building code summary:

E. Owner requires the A/E to comply with certain provisions of the local fire department that provides fire protection services for the Institution. These provisions may include locations and dimensions for firefighting access, including fire lanes; locations and specifications for standpipes, fire hose cabinets, fire control room, and fire hose connections; elevator requirements; and other similar matters.

F. Specific consideration must be given to ANSI/ASHRAE/IESNA Standard 90.1. The Engineer of Record will be required to sign and seal certification that stipulates that the design complies with the requirements of this standard. This written certification with backup documentation must be submitted to Owner at the time of completion of the Construction Documents. Refer to Design Guideline Element Z2010 Design Submittal Requirements, for specific requirements.

G. The A/E must provide a flood elevation certificate and a flood proofing certificate (if applicable) as a deliverable to Owner at the time of Project Substantial Completion.

PART 4 - CODE COMPLIANCE CONFIRMATION REVIEW

4.01 GENERAL

A. Owner will directly contract with an independent, third-party code consultant to perform, document, and submit a Project design “Code Compliance Confirmation Review” at Schematic Design and Design Development phases to ensure compliance with all applicable codes as they apply to a specific Project.
B. This Code Compliance Confirmation Review does not relieve the A/E from complying with all relevant codes and standards for the Project.
## PART 5 - DOCUMENT REVISION HISTORY

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<td>Rev. 1</td>
<td>20190819</td>
<td>Additional revisions incorporating information removed from original issuance.</td>
<td>Richard Fitzgerald</td>
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END OF ELEMENT Z2005
Element Z General Design Requirements

Z2005 Codes and Applicable Regulatory Agencies

Exhibit 1

Building Code Analysis [Template]

Project Name:
Institution: The University of Texas MD Anderson Cancer Center

Project Number:

Code/Standards Analysis
Date:
Project Phase:

Applicable Codes:
4. Texas Accessibility Standard
5. etc.

Note: The code requirements selected as the basis for design are bolded.
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In effort to keep NFPA codes and standards within a reasonable size, NFPA uses Chapter 2 of many of its publication to reference other regulatory publication including other NFPA documents. When referencing these publications the user must pay particular attention to the publication edition referenced in the document they are currently reviewing.

For Example: