
A GUIDE TO CREATING BUILDING CODE COMPLIANT DOCUMENTS



AIA Florida



**Building Officials
Association of Florida**



Florida Engineering Society

INTRODUCTION

Construction documents are created to provide direction for the builder. At the heart of all construction documents submitted for permitting are the applicable provisions of the current edition of the Building Code. Creativity and constructability must be guided by the principles addressed in the applicable building code volumes that provide for a healthy, safe, accessible, and energy efficient structure or system.

A building permit is required for most construction projects, large or small, to document that the project complies with all applicable building code provisions. The Building Code specifies two levels of verification of compliance: plan review and inspection. The plan review verifies that the plans are code compliant. It is usually cheaper and easier to correct a non-code compliant condition in the design phase, than the construction phase. Once the local building department determines that a set of plans is code compliant, the permit is issued and a stamped set of reviewed plans is returned to the applicant for use during construction. It is these plans that are used by the inspector, at established intervals, to confirm that the construction is code compliant.

Creating code compliant building permit documents requires an understanding of what the plans examiner(s) are required to verify. Code compliant documents help the design professional(s) minimize the time required to complete their part of the project, and minimize the time required for the building department to complete the plan review phase of permitting.

PURPOSE

The challenge for the architect, engineer and contractor is to create a clear and concise set of design documents that demonstrate code compliance. This Guide has been developed by a Joint Task Force comprised of members of the Building Officials Association of Florida (BOAF), AIA- Florida, and the Florida Engineering Society (FES) to help the designer understand the information that needs to be included in a code compliant set of construction documents.

DISCLAIMER

This Guide is intended to provide the user with a basic understanding of the minimum requirements of the building code. The list of building code requirements herein addressed can be found in the administrative section of the building code. The topics that they address are general in nature and each building department has authority to establish the specific level of details for each category of information listed. It is incumbent upon the designer(s) to research and understand the applicable building code, and to consult with the local building department regarding the extent of the details that are required.

There may also be other requirements, in addition to these building code requirements, relating to flood plain regulation or coastal construction, zoning or planning regulations, or local issues.

DOCUMENT ORGANIZATION

While the Building Code requires that specific issues are subject to plan review, there is no mandated format that dictates where the information must be located in the document set. Consequently, there is no right or wrong way to organize the information. The Task Force recognizes that creating one preferred way to organize a set of drawings is not practical. Instead, the Task Force chose to develop a “Government Sheet” that serves as a cross reference index to guide the plans examiner(s) to the location of required information. Additionally, the Government Sheet will serve as a checklist for the designer to ensure that all of the basic required information has been provided. Voluntary use of the “Government Sheet” is expected to significantly reduce or eliminate the number of plan review comments that will need to be resolved at permitting.

ABOUT THE GUIDE

This guideline has four parts:

- Plan review overview
- Government sheet template
- Life Safety Plan example
- Area modification calculator

This guide is applicable to typical construction projects as follows:

- New commercial buildings
- Additions to commercial buildings
- Alterations of commercial buildings
- New systems (Mechanical, Electrical, Plumbing, Gas, Fire Alarm, Fire Sprinkler, Etc.)
- Alterations to systems
- New One and Two Family buildings
- Additions to One and Two Family buildings
- Alterations to One and Two Family buildings

The overview presented in this Guide describes building code concepts, and are intended to be independent of any specific code requirements. As such, this Guide should remain valid through multiple building code cycles. Be sure to reference the applicable building code edition for specific code provisions.

A user of this Guide is expected to have a thorough understanding of applicable building codes. This guide is not intended as a substitute for building code training.

SIGNED AND SEALED DOCUMENTS

Documents created by a Florida registered Architect or licensed Engineer must be appropriately signed and sealed in accordance with state statute and the rules of the respective practice acts.

Refer to the AIA/BOAF/FES “Building Official’s Guide to the Professional Practice of Architects and Engineers in Florida” regarding scopes of practice.

Each set of drawings submitted for permitting should reference the current edition of the applicable building code as the basis for the design.

PROJECTS (New, Additions and Alterations) (Excluding One & Two Family Residences)

BUILDING CODE REQUIREMENTS

The Building Code contains specific requirements in the following categories:

- Structure fire safety based on construction type, separation distances and occupancy(s)
- Life safety for occupants based on construction type and occupancy(s)
- Structural integrity based on expected loads
- Approved materials
- Accessibility features
- Energy efficiency features

Specific building code provisions will vary based on building characteristics that must be declared by the designer(s). Permit documents for new buildings, additions, and alterations all need to include the basic characteristics of the structure as referenced below. A summary of the building characteristics should be located at the front of the document set. Those characteristics include:

- Occupancy classification and use (FBC Chapters 3 & 4)
There may be one or multiple occupancies, or accessory use areas within a building. Label each area or room with the intended use. Provide a visual delineation for multiple occupancy classifications within one building.
- Occupant load (FBC Chapter 10)
Occupant loads for each area must be calculated using square footage calculations and the charts found in FBC Chapter 10. Document the calculations in a matrix, if multiple uses are identified. This information will be used to verify compliance with a variety of issues from life safety to plumbing fixtures
- Type of construction (Chapter 6)
Buildings are assigned specific limitations in area and height based on the building's construction type and separation. The intent is to make the requirements more restrictive as buildings get larger. Each project must be evaluated for compliance with the charts. The designer must specify the construction type.
- Building height and area modifications (Chapter 5) when used
The allowable height and area of buildings may be increased when the building design provides additional separation or fire sprinkler protection. When height and area modifications are used, the calculations must be submitted as a part of the document package. See the height and area calculator for specific calculations.
- Building separation from adjacent buildings (Chapter 5)
Fire resistant construction values for various building components, expressed in hours of resistance, are governed by the relative proximity to other buildings, or the real or assumed property lines. A summary of these values must be noted on the plans along with a schedule of wall types.
- Life Safety
A life safety plan is a summary of the building characteristics that will provide occupants with a safe means of egress in case of emergency. See the example of a well detailed life safety plan. The life safety review is difficult to complete when this information is included on several sheets, therefore, creating a separate life safety sheet is recommended. The plans examiner will need to

verify that the number of exits, travel distances, exit width, corridor width, stair width, and length of dead end corridors comply with the code requirements.

Note 1: This information is fundamental to the project and must be reviewed before other aspects of the review are started; therefore, this information should be located near the beginning of the document set.

Note 2: The Government Sheet Cross Reference page will also make the plan review more efficient by leading the plans examiner to the information necessary for completing the plan review.

PLAN REVIEW CATEGORIES

There may be one or more building plans examiners that review a set of design documents: however, regardless of the number of plans examiners, there are multiple issues that must be reviewed for new buildings, additions and major renovations:

Structural – How building components are assembled to handle the expected loads:

- Provide details as necessary to describe the load path from the ground to the roof
- Identify the design parameters and provide the design loads
- Provide the structural calculations to justify the design (When required)
- Provide details for constructing the structural support and building envelope
- Provide details for the roof structure
- Provide details for stair systems
- Provide window and door rough opening sizes

Non-structural – How the building provides:

1. **Fire safety**- How the building is designed to provide structural stability for a given period of time, while limiting the spread of fire to other buildings:
 - Provide fire protection details for structural elements as necessary. These details may be listed assemblies, prescriptive method, or calculated method.
 - Provide fire resistance rated wall, floor and roof details as necessary. These details may be listed assemblies, prescriptive method, or calculated method.
 - Provide fire-stopping submittals for penetrations of rated assemblies
 - Provide opening protective details as necessary
 - Provide a schedule of doors showing door size, fire resistive rating and hardware
2. **Life safety**- How the spaces in the building are arranged and equipped with features to facilitate safe evacuation of occupants in an emergency
 - Provide the area calculation and occupant load counts for each area
 - Identify the path of egress travel from each area
 - Identify the maximum egress distance for each area
 - Identify the occupant count, required and provided exit width for each exit
 - Identify protected features such as rated corridors and areas of rescue assistance
 - Provide smoke control system details, when provided
 - Provide stair pressurization details, when provided
3. **Interior environment**- How the building provides a safe environment that is appropriately illuminated and ventilated
 - Provide a lighting plan for both normal and loss of power conditions
 - Identify how the spaces will be ventilated

- Identify interior finishes and a submittal documenting compliance with the appropriate interior finish category
4. **Accessibility**- How the building facilitates people with disabilities
 - Provide relative floor elevations with appropriate transitions as needed
 - Provide vertical accessibility details
 - Provide accessible path details from the public way to all areas of the building
 - Provide scaled elevations for restrooms, detailing installation requirements for accessible features
 5. **Energy efficiency** – How the building conserves energy
 - Provide Energy Calculations
 - Data values entered into Fla/Com program will need to be verified with the corresponding information on the plans
 6. **Weatherproofing** – How the building withstands wind driven rain
 - Identify weather barriers
 - Provide window and door flashing details
 7. **Materials** – Identification of materials used in the project
 - Provide submittals as required by the jurisdiction for wood, steel, aluminum, concrete, plastic, glass, masonry, gypsum, roofing and insulation
 - Provide installation details at inspection

MECHANICAL CODE REQUIREMENTS

PLAN REVIEW CATEGORIES

There are multiple issues that must be reviewed for new buildings, additions and major renovations:

1. **Energy Calculations**
 - Provide the appropriate completed forms
 - Energy calculations must be signed by the design professional
 - Provide input data print-out
2. **Exhaust systems**
 - Provide equipment and duct installation details (Location and sizing)
 - Provide equipment and duct specifications
 - Provide air velocity
 - Detail location of cleanouts and access to cleanouts
3. **Equipment**
 - Provide equipment location and specifications
4. **Make-up air**
 - Provide calculations for outdoor ventilation air intake
 - Provide calculations for dryer ventilation make-up air when applicable
5. **Roof mounted equipment**
 - Provide anchorage design to provide resistance to wind pressures, for roof mounted equipment

6. Duct systems

- Provide duct layouts and sizing

7. Ventilation

- Provide ventilation details

8. Combustion Air

- Provide combustion air calculations and source

9. Chimneys, fireplaces and vents

- Provide specifications for chimneys and fireplace vents

10. Appliances

- Provide specifications and installation details for specific appliance

11. Boilers

- Provide specifications and installation details for boilers and water heaters

12. Refrigeration

- Provide specifications and installation details for refrigeration equipment

13. Bathroom ventilation

- Provide bathroom ventilation location and air flow rate

14. Laboratory

- Provide exhaust system details per code for a laboratory where hazardous materials are handled

ELECTRICAL CODE REQUIREMENTS

PLAN REVIEW CATEGORIES

There are multiple issues that must be reviewed for new buildings, additions and major renovations:

1. Wiring

- Provide wire size designations for design loads

2. Services

- Provide service location and size

3. Feeders and branch circuits

- Provide circuit diagrams

4. Over-current protection

- Provide over-current designations for each circuit/panel

5. Grounding

- Provide location and sizing of ground system

6. Wiring methods and materials

7. GFCI's

- Provide locations of GFCI devices

8. Equipment/Panels

- Provide location and specifications for equipment /panels

9. Special occupancies

- Provide specifications for features required by special occupancies

10. Emergency systems

- Provide details for emergency power systems

11. Communication systems

- Provide location and specifications for communication/data system

12. Low voltage

- Provide location and specifications for low voltage systems

13. Load calculations

- Provide load calculations

PLUMBING CODE REQUIREMENTS

PLAN REVIEW CATEGORIES

There are multiple issues that must be reviewed for new buildings, additions and major renovations:

1. Minimum plumbing facilities

- Provide matrix demonstrating minimum plumbing facility requirements and actual fixtures provided

2. Fixture requirements

- Same requirement as above

3. Water supply piping

- Provide water supply piping location, size and material

4. Sanitary drainage

- Provide sanitary drainage location and sizing

5. Water heaters

- Provide location, size and specifications for water heater(s) and associated features

6. Vents

- Provide sizing and location of vents

7. Roof drainage

- Provide roof drainage calculations, roof slopes, roof primary and secondary drain locations

8. Back flow prevention

- Provide specification and location of back flow devices

9. Irrigation

- Provide details for backflow prevention, rain sensor, and sprinkler head locations adjacent to the foundation

10. Location of water supply line

- Provide location of water supply line relative to sanitary drain lines

11. Grease traps

- Provide calculations for grease trap sizing
- Provide grease trap specifications and location
- Provide identification of fixtures draining through the grease trap

12. Environmental requirements

13. Plumbing riser

- Provide plumbing risers

FUEL GAS CODE REQUIREMENTS

PLAN REVIEW CATEGORIES

There are multiple issues that must be reviewed for new buildings, additions and major renovations:

1. Gas piping

- Provide location, sizing and specifications for gas piping

2. Venting

- Provide venting requirement calculations

3. Combustion air

- Provide calculations, location and source for combustion air

4. Chimneys and vents

- Provide location, size and specifications for chimneys and vents

5. Appliances

- Provide specifications and locations for special appliances listed in FMC 602.1

6. Fireplaces

- Provide specifications and locations of fireplaces

7. LP tank location

- Provide size and location of LP tank

8. Riser diagram/shutoffs

- Provide gas riser diagram

FLORIDA BUILDING CODE GOVERNMENT SHEET – CODE ANALYSIS

PROJECT IDENTIFICATION:		PERMIT NO:	
CONTRACTOR:			
ARCHITECT:			
STRUCTURAL ENGINEER OF RECORD:			
CIVIL ENGINEER OF RECORD:			
PLUMBING ENGINEER OF RECORD:			
MECHANICAL ENGINEER OF RECORD:			
ELECTRICAL ENGINEER OF RECORD:			
FIRE PROTECTION ENGINEER OF RECORD:			
LEED PROFESSIONAL:			
PROJECT SCOPE:			
CONSTRUCTION TYPE			
USE & OCCUPANCY CLASSIFICATION(S)			
		CODE REQUIREMENTS	PROJECT PARAMETERS
ALLOWABLE BLDG HEIGHTS AND AREAS	FBC Table 503		
BLDG HEIGHT MODIFICATION	FBC Sec. 504		
MEZZANINES	FBC 505		
BLDG AREA MODIFICATIONS	FBC Sec.506		
OCCUPANT LOAD	Table 1004.1.1		
HORIZONTAL SEPARATION	FBC Table 601		
NUMBER OF EXITS REQUIRED	FBC Sec. 1015		
FIRE PROTECTION – AUTOMATIC FIRE SPRINKLERS	FBC 903.2		
ALLOWABLE OPENINGS UNPROTECTED	FBC Table 705.8.3		
ALLOWABLE OPENINGS PROTECTED	FBC Table 705.8.2		
DESIGN WIND SPEED	ASCE 7-10		
RISK CATEGORY	ASCE 7-10		
EXPOSURE CATEGORY	ASCE 7-10		

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 Check with the building department having jurisdiction for any additional requirements

Guide to Creating Building Code Compliant Documents – BOAF / AIA-Florida / FES Joint Task Force

FIRE RESISTANCE RATINGS			
STRUCTURAL FRAME	FBC Table 601		
BEARING WALLS - INTERIOR	FBC Table 601		
BEARING WALLS - EXTERIOR	FBC Table 601		
NON-BEARING WALLS & PARTITIONS – INTERIOR	FBC Table 601		
NON-BEARING WALLS & PARTITIONS - EXTERIOR	FBC Table 602		
FLOOR CONSTRUCTION	FBC Table 601		
ROOF CONSTRUCTION	FBC Table 601		
Existing Building Classification of Work	EBC Chapter 4		

BUILDING INFORMATION CROSS REFERENCE

SITE REQUIREMENTS			
ITEM	REFERENCE	SHEET NUMBER	REVIEWED BY:
Parking	FAC 403.5.1		
Fire access	FBC 402.17 FFPC 18.2.3		
Vehicle loading	FBC Sec. 406		
Driving/turning radius	FBC Sec. 406		
Fire hydrant/water supply/post indicator valve (PIV)	FFPC 18.3		
Set back/separation (assumed property lines)	FBC Chap. 5		
Location of specific tanks, water lines and sewer lines	FPC Chap.6, & 7		
FIRE-RESISTANT CONSTRUCTION – Chapter 7			
ITEM	REFERENCE	SHEET NUMBER	REVIEWED BY:
Fire-resistant separations (Wall type designations)	FBC 705/706		
Protection of openings details	FBC 715		
Fire blocking and draft-stopping details	FBC 717		
Penetrations of rated walls (Fire-stopping details)	FBC 713		
Calculated fire resistance	FBC 721		

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FIRE SUPPRESSION SYSTEMS – Chapter 9				
	ITEM	REFERENCE	SHEET NUMBER	REVIEWED BY:
	Early warning smoke evacuation systems	FBC 909		
	Schematic fire sprinklers	FBC 903		
	Standpipes	FBC 905		
	Pre-engineered systems	FBC 903		
	Riser diagram	FBC 903		
LIFE SAFETY SYSTEMS SHEET NUMBER				
	ITEM	REFERENCE	SHEET NUMBER	REVIEWED BY:
	Occupant load and egress capacities	FBC 1004		
	Early warning	FBC 909		
	Smoke control	FBC 909		
	Stair pressurization	FBC 909.20.5		
	Systems schematic	FBC 911.1(12)		
OCCUPANCY LOAD/EGRESS – Chapter 10				
	ITEM	REFERENCE	SHEET NUMBER	REVIEWED BY:
	Occupancy load	FBC 1004		
	Gross	FBC 1002.1		
	Net	FBC 1002.1		
	Means of egress	FBC 1002.1		
	Exit access	FBC 1014		
	Exit	FBC 1015		
	Exit discharge	FBC 1027		
	Stairs construction/geometry and protection	FBC 1009		
	Doors	FBC 1008		
	Emergency lighting and exit signs	FBC 1006		
	Specific occupancy requirements	FBC Table 508.4		
	Construction requirements	FBC Table 601		
	Horizontal exits/exit passageway	FBC 1023/1025		

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STRUCTURAL REQUIREMENTS			
ITEM	REFERENCE	SHEET NUMBER	REVIEWED BY:
Soil conditions/analysis	FBC 1803		
Termite protection	FBC 1816		
Design loads	FBC 1606/1607		
Wind requirements	FBC 1609		
Building envelope	FBC 1403		
Structural calculations (if required)	FBC 1603		
Foundation	FBC 1808		
Wall systems	FBC Table 601		
Floor systems	FBC Table 601		
Roof systems	FBC Table 601		
Threshold inspection plan	FBC 110.3.7.1 F.S. 553.71		
Stair systems	FBC Sec. 1009		
MATERIALS			
ITEM	REFERENCE	SHEET NUMBER	REVIEWED BY:
Wood	FBC Chap. 23		
Steel	FBC Chap. 22		
Aluminum	FBC Chap. 20		
Concrete	FBC Chap. 19		
Plastic	FBC Chap. 26		
Glass	FBC Chap. 24		
Masonry	FBC Chap. 21		
Gypsum board and plaster	FBC Chap. 25		
Insulating (mechanical)	FMC 604 Duct FMC 1204 Pipe		
Roofing	FBC 1507		
Insulation	FBC Chap. 13		

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2012 FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION			
ITEM	REFERENCE	SHEET NUMBER	REVIEWED BY:
Site requirements	FAC Chap. 5		
Accessible route	FAC Sec. 402		
Vertical accessibility	FAC Sec. 201.1.1		
Toilet facilities	FAC Sec. 213		
Bathing facilities	FAC Sec. 213		
Drinking fountains	FAC Sec. 602		
Equipment	FAC Sec. 810		
Special occupancy requirements	FAC Ch. 2		
Disproportionate Cost	FAC Sec. 202.4.1		
Fair housing requirements	FAC Part 3,Sec 3		
INTERIOR			
ITEM	REFERENCE	SHEET NUMBER	REVIEWED BY:
Interior finishes (flame spread/smoke development)	FBC Chap. 8		
Light	FBC 1205		
Ventilation	FBC 1203		
Sanitation	FPC Chap. 7		
SPECIAL SYSTEMS			
ITEM	REFERENCE	SHEET NUMBER	REVIEWED BY:
Elevators	FBC Chap. 30,FAC Sec. 407		
Escalators	FBC Sec. 3005		
Lifts	FAC Sec. 410		
SWIMMING POOLS			
ITEM	REFERENCE	SHEET NUMBER	REVIEWED BY:
Barrier requirements	FBC 424.1.3.1.9		
Spas	FBC 424.1.8		
Wading pools	FBC 424.1.7		

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ELECTRICAL INFORMATION CROSS REFERENCE			
ITEM	REFERENCE	SHEET NUMBER	REVIEWED BY:
Wiring	NEC 300		
Services	NEC 230		
Feeders and branch circuits	NEC 225		
Overcurrent protection	NEC 240		
Grounding	NEC 250		
Wiring methods and materials	NEC 300 &400		
GFCIs	NEC 210.8		
Equipment/Panels	NEC 110		
Special occupancies	NEC Chap. 5		
Special Conditions	NEC Chap.7		
Communication systems	NEC 800		
Low voltage, Remote-Control, Signaling	NEC 725		
Load calculations	NEC 220		

PLUMBING INFORMATION CROSS REFERENCE			
ITEM	REFERENCE	SHEET NUMBER	REVIEWED BY:
Minimum plumbing facilities	FPC 403		
Fixture requirements	FPC Table 403.1		
Water supply piping	FPC 601		
Sanitary drainage	FPC 701		
Water heaters	FPC 501		

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Vents	FPC 901		
Roof drainage	FPC 1101		
Back flow prevention	FPC 608.13		
Irrigation	Appendix-F		
Location of water supply line	FPC 603.2		
Grease traps	FPC 1003		
Environmental requirements			
Plumbing riser	FPC 605		

MECHANICAL INFORMATION CROSS REFERENCE

ITEM	REFERENCE	SHEET NUMBER	REVIEWED BY:
Energy calculations	FBC Energy Conservation Ch. 5		
Exhaust systems	FMC Chapt.5		
Clothes dryer exhaust	FMC 504		
Kitchen equipment exhaust/Fire Suppression	FMC 505,507,509		
Specialty exhaust systems	FMC 510		
Equipment	FMC Chap. 3		
Equipment location/Guards/Condensate Disposal	FMC 303, 304.11, 307		
Make-up air	FMC 403.3 FMC 504.5		
Roof-mounted equipment/ Roof Access	FMC 301.12 FBC 1509.7 FMC 306.5		

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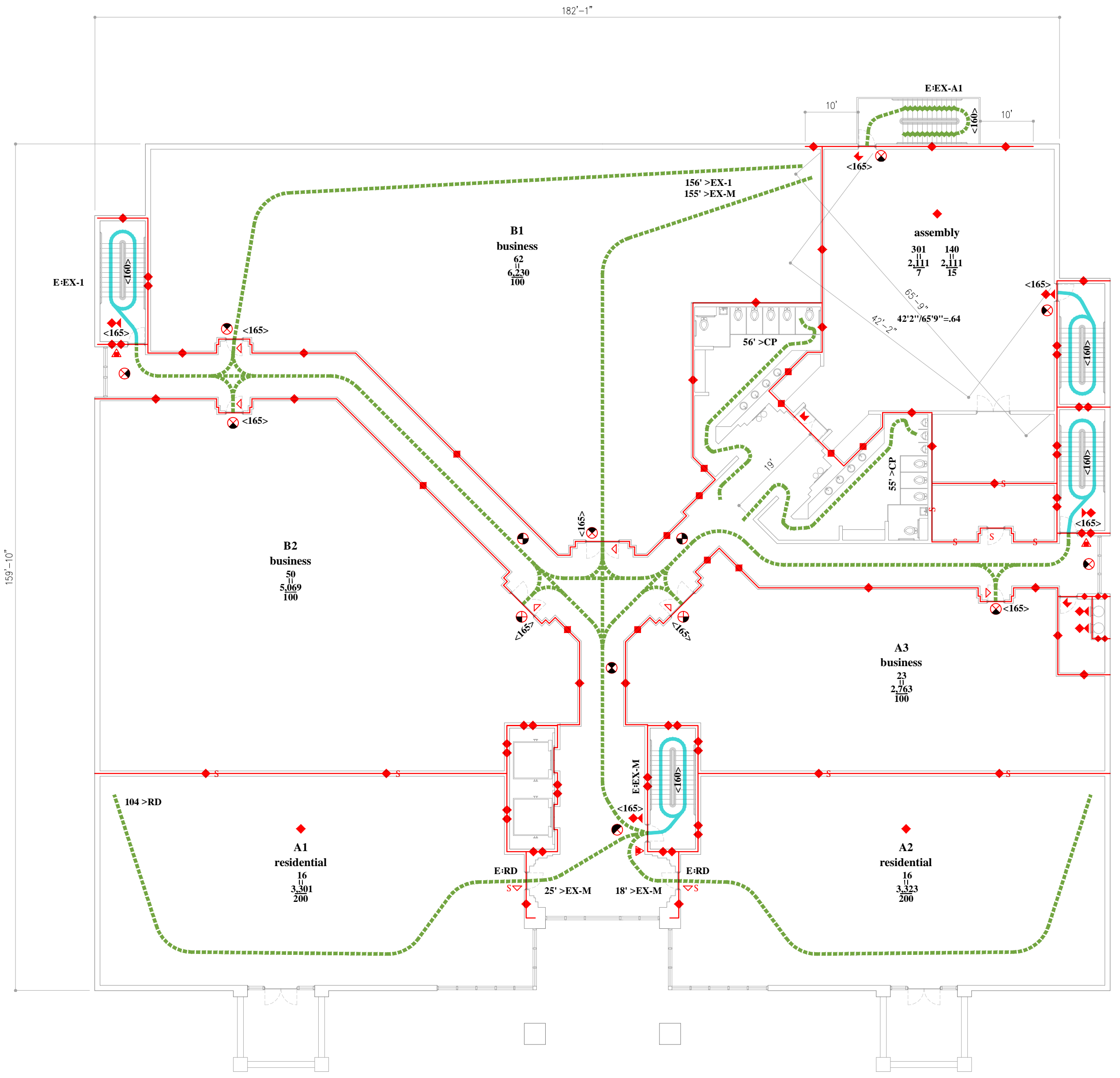
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Duct systems	FMC Chap. 6 SMACNA		
Ventilation	FMC Chap 4		
Combustion air	FMC Chap 7 Appendix A		
Chimneys, fireplaces and vents	FMC Chap 8 FGC Chap 5		
Appliances	FMC Chap 9		
Boilers	FMC Chap 10		
Refrigeration	FMC Chap 11		
Bathroom ventilation	FMC 403.3		
Laboratory	FMC 510.1		

GAS INFORMATION CROSS REFERENCE

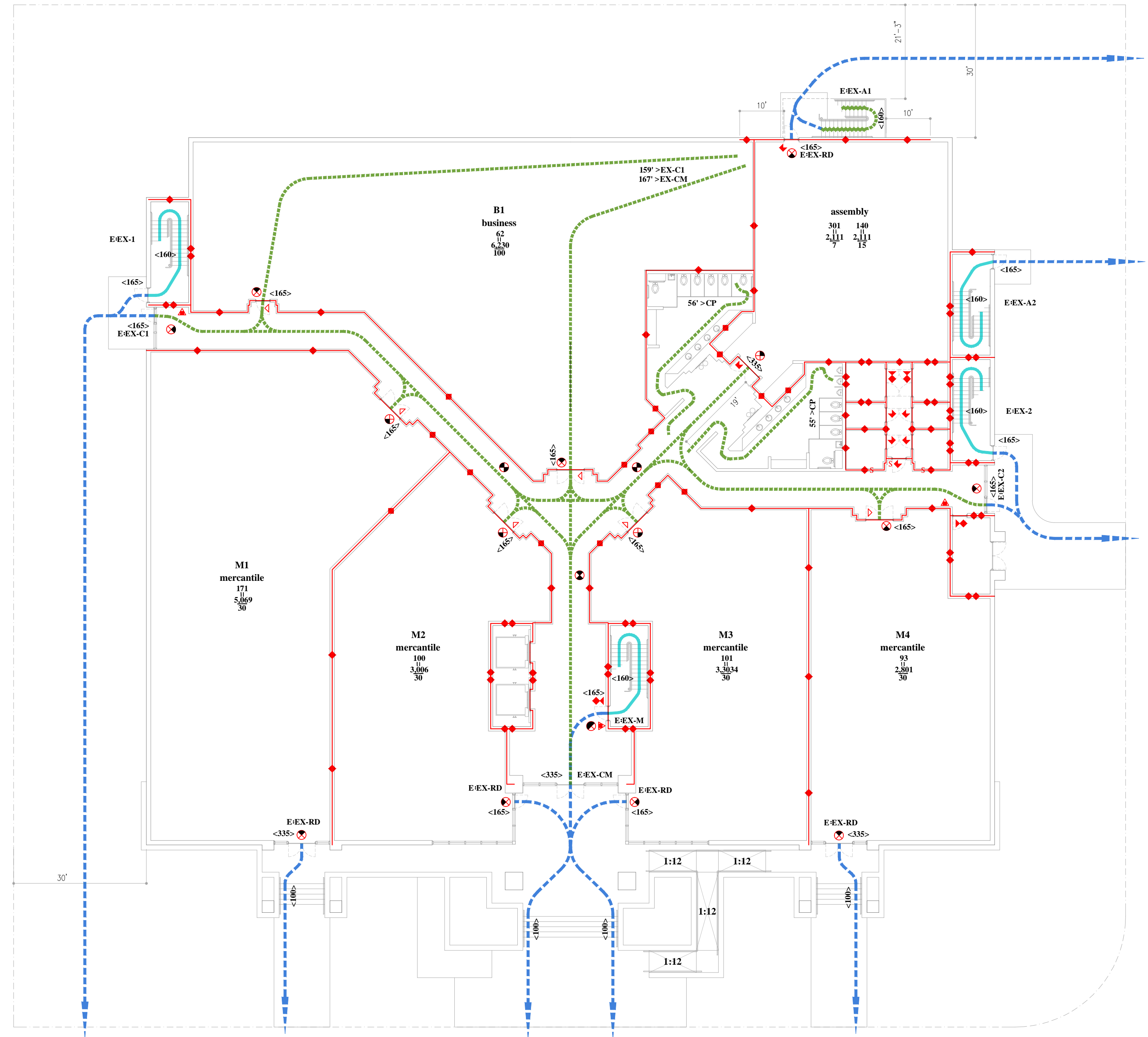
ITEM	REFERENCE	SHEET NUMBER	REVIEWED BY:
Gas piping	FGC 402		
Venting	FGC 502.1		
Combustion air	FGC 304		
Chimneys and vents	FGC 501		
Appliances	FGC 601		
Type of gas	FGC 401		
Fireplaces	FGC 605		
LP tank location	NFPA 58-2008 Edition		
Riser diagram/shutoffs	FGC 401		

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Second Story
1/16"=1'

Mixed Occupancy Building
TYPE ?
Automatic Sprinkler System
? STORIES
?' HIGH



First Story above Grade
1/16"=1'

LIFE SAFETY SYMBOLS

- EGRESS COMPONENT IDENTIFIER**
- EX# = EXIT NUMBER
 - HE = HORIZONTAL EXIT
 - CP = COMMON PATH OF TRAVEL
 - PD = PUBLIC DISCHARGE
 - RD = ROOM DOOR
 - ES = ESCAPE
- TRAVEL DISTANCE SYMBOL**
- 00 > SS = EGRESS COMPONENT DISTANCE TO
- EGRESS COMPONENT CAPACITY**
- <00> = EGRESS COMPONENT CAPACITY
 - <<00>> = GOVERNING COMPONENT CAPACITY
- OCUPANCY CAPACITY SYMBOL**
- 00 = CAPACITY
 - = SQUARE FEET PER PERSON
 - = NET AREA (SQUARE FEET)
- GOVERNING CODE REFERENCE**
- FFFC = FLORIDA FIRE PREVENTION CODE
 - FBC = FLORIDA BUILDING CODE
 - CODE SECTION
- EXIT ACCESS**
- EXIT
 - EXIT DISCHARGE
- WALL RATINGS**
- 1 HOUR RATED WALL
 - 2 HOUR RATED WALL
 - SMOKE BARRIER
 - 34 HOUR RATED
 - 1 1/2 HOUR RATED
- FIRE EXTINGUISHER**
- 3-A-80-B-C
- EXIT SIGN**
- MANUAL PULL STATION
 - PRESSURIZED
 - FIRE TEST ID

FLORIDA FIRE PREVENTION CODE 2007

1/19
N.F.P.A. 101 2006
Florida Administrative Code Chapter 69A-60
EGRESS WIDTH PER PERSON: LEVEL 0.2; STAIR 0.3
MINIMUM STAIR WIDTH 44" if occupancy < 50 then 36"

ASSEMBLY
Chapter 12
OCCUPANT LOAD = 1/15 NET
Concentrated = 17
Kitchen = 150
Pool Deck = 150
Fitness w/sgt = 150

MINIMUM CORRIDOR WIDTH 44", if occupancy < 50 then 36"
NO COMMON PATH OF TRAVEL OVER 20'; 75' if OCCUPANCY < 50
NO DEAD END CORRIDORS EXCEED 20'
MAXIMUM TRAVEL DISTANCE 250'

RESIDENTIAL APARTMENT
Chapter 30
OCCUPANT LOAD 1/200 GROSS
MINIMUM CORRIDOR WIDTH 44", if occupancy < 50 then 36"
COMMON PATH OF TRAVEL within UNIT 75'
COMMON PATH OF TRAVEL 50'
NO DEAD END CORRIDORS EXCEED 20'
MAXIMUM TRAVEL DISTANCE WITHIN UNIT 125'
MAXIMUM TRAVEL DISTANCE FROM DWELLING DOOR 200'
MAXIMUM TRAVEL DISTANCE FROM NON-DWELLING 250'

MERCANTILE
Chapter 36
Class A: > 30,000sf or > 3 stories
Class B: > 3,000sf < 30,000sf < 4 stories
OCCUPANT LOAD STREET 1/50 GROSS
OCCUPANT LOAD 1/60 GROSS
MINIMUM CORRIDOR WIDTH 44", if occupancy < 50 then 36"
NO COMMON PATH OF TRAVEL OVER 100'
NO DEAD END CORRIDORS EXCEED 20'
MAXIMUM TRAVEL DISTANCE 250'

BUSINESS
Chapter 38
OCCUPANT LOAD 1/100 GROSS
MINIMUM CORRIDOR WIDTH 44", 36" if occupancy < 50
NO COMMON PATH OF TRAVEL OVER 100'
NO DEAD END CORRIDORS EXCEED 50'
MAXIMUM TRAVEL DISTANCE 300'

FLORIDA BUILDING CODE 2007

3/19
10/19

EGRESS WIDTH PER PERSON: LEVEL 0.2; STAIR 0.3
MINIMUM STAIR WIDTH 44" if occupancy < 50 then 36"

ASSEMBLY
GROUP A
OCCUPANT LOAD = 1/15 NET
Concentrated = 17
Kitchen = 150
Pool Deck = 150
Fitness w/sgt = 150

MINIMUM CORRIDOR WIDTH 44", if occupancy < 50 then 36"
NO COMMON PATH OF TRAVEL OVER 20'; 75' if OCCUPANCY < 50
NO DEAD END CORRIDORS EXCEED 20'
MAXIMUM TRAVEL DISTANCE 250'

RESIDENTIAL
GROUP R2
OCCUPANT LOAD 1/200 GROSS
MINIMUM CORRIDOR WIDTH 44", if occupancy < 50 then 36"
COMMON PATH OF TRAVEL 50'
NO DEAD END CORRIDORS EXCEED 20'
MAXIMUM TRAVEL DISTANCE WITHIN UNIT 125'; 75'; 138"

MERCANTILE
GROUP M1
OCCUPANT LOAD STREET 1/30 GROSS
OCCUPANT LOAD 1/60 GROSS
MINIMUM CORRIDOR WIDTH 44", 36" if occupancy < 50
NO COMMON PATH OF TRAVEL OVER 100'
NO DEAD END CORRIDORS EXCEED 20'
MAXIMUM TRAVEL DISTANCE 250'

BUSINESS
GROUP B
OCCUPANT LOAD 1/100 GROSS
MINIMUM CORRIDOR WIDTH 44", 36" if occupancy < 50
NO COMMON PATH OF TRAVEL OVER 100'
NO DEAD END CORRIDORS EXCEED 50'
MAXIMUM TRAVEL DISTANCE 300'

First Story Mixed Occupant Load

85	50	50	47	150	147	147	441
335	165	165	335	165	165	335	665
E-EX-M1 RD	E-EX-M2 RD	E-EX-M2 RD	E-EX-M1 RD	E-EX-A RD	E-EX-C1	E-EX-C2	E-EX-CM

Second Story Mixed Occupant Load

21	21	21	62	B1
16	16	16	50	B2
16	16	16	23	B3
15	15	15	16	R1
21	21	21	16	R2
97	97	97	291	Egress Capacity
160	160	160	480	Egress Capacity
E-EX-1	E-EX-2	E-EX-M		

Second Story Separated Assembly

151	151	301	Assembly
151	151	302	Egress Capacity
160	160	320	Egress Capacity
E-EX-A1	E-EX-A2		

Portable Fire Extinguishers

First Story
protected area 29,194
4-A-80-B-C ▲ 11,250 light
4-A-80-B-C ▲ 11,250 light
4-A-80-B-C ▲ 11,250 light
33,750

Second Story
protected area 29,194
4-A-80-B-C ▲ 11,250 light
4-A-80-B-C ▲ 11,250 light
4-A-80-B-C ▲ 11,250 light
33,750

BOAF-AIA-FES Joint Task Force

Life Safety Plan Demo

If this sheet is not 24x36 inches then scale is not as noted.

The work shown, to the best of my knowledge and ability, complies with the FLORIDA BUILDING CODE 2019 and the FLORIDA FIRE PREVENTION CODE 2019.