

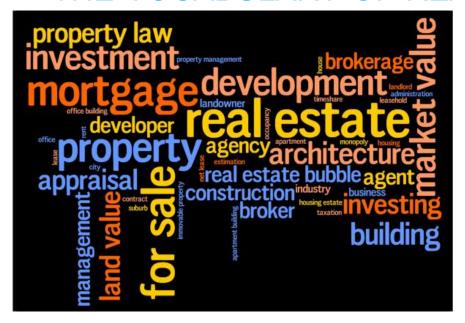
# CIP SWFL PRESENTATION BUILDING & ZONING PRESENTATION



# CIP SWFL PRESENTATION BUILDING & ZONING PRESENTATION



# THE VOCABULARY OF REAL ESTATE DEVELOPMENT



### WHAT WE WILL STUDY TODAY:

- LIMITED DEVELOPMENT ORDERS PROCESS (LDO)
- DEVELOPMENT ORDER PROCESS (DO)
- CURRENT VS. FUTURE ZONING USES
- VACANT LAND VS. EXISTING BUILDINGS
- EXISTING BUILDING USES AND REMODELING
- PROCESS FOR PERMITTING YOUR PROJECT
- QUICK BUILDING AND FIRE CODE SUMMARY
- QUESTION AND ANSWERS





# INTRODUCTION WHO WE ARE

- We are a Local Architectural Firm and Headquartered in Cape Coral
- Firm was founded in 1992 by Jason Tramonte Architect
- Employees live and work in Cape Coral
- Specialized in Commercial, Government & Institutional Facility Design
- We have Passion For Great Architecture in a Great City
- We Value, Quality & Cost Effective design solutions
- Our designs are Environmentally Responsible Sustainable Designs
- Our team is local and familiar with all LOCAL permitting agencies





ARCHITECTURAL FIRM
BASED IN CAPE CORAL
WITH OVER 30 YEARS OF
CAPE CORAL EXPERIENCE





# INTRODUCTION WHO WE ARE

### **Castellanos Tramonte Architects Senior Staff**

### **Brett Misoyianis, Senior Project Manager**

Brett has been with Castellanos Tramonte for over 4 years and is the and is the Senior Project Manager for the office

### Natali Gonzalez, Designer

Natali has been in the Architectural field was a College Architectural Professor and Intern for the last 5 years. She handles CAD and Revit responsibilities

### Alina Castellanos, Office Manager

Alina handles all daily operational office responsibilities

### **Art Castellanos, AIA, Principal Architect**

Art Castellanos, AIA Architect in 2015 following (10) years working for the Lee County School District. Art is the Principal and Senior Project manager for the firm. Over 30 years experience as an architect

### Jason P. Tramonte, Senior Architect

Jason P. Tramonte is the founder of our firm and has been practicing Architecture for over 40 years in Lee County. He Serves as the firm resource for many commercial / Institutional projects.



















# TWO OPTIONS FOR BUILDING DEVELOPMENT







### **Vacant Land**

- UNSUALLY CHEAPER THAN DEVELOPED LAND
- HOLD FOR LONG TERM INVESTMENT
- NO MAINTENANCE REQUIRED
- CHEAPER TO OWN AS A LONG TERM INVESTMENT
- TAXES AND FEES ARE LOWER
- BUILD WHAT YOU WANT TO BUILD
- WAIT FOR THE NEXT BOOM TIME TO SELL
- IMPACT FEES
- THEY AREN'T MAKING ANY MORE OF IT!!!

## **Existing Buildings / Remodeling**

- KNOWN TO HAVE A HIGHER RETURN ON INVESTMENT
- HEDGE AGAINST OTHER ASSETS / DIVERSIFIED PORTFOLIO
- IT IS A CAPITAL ASSET THAT CAN BE TAX EFFICIENT
- LONG TERM INCOME POTENTIAL
- MAKING MONEY RIGHT AWAY
- LOCATION / LOCATION
- FLOOD ISSUES IF IN A FLOOD ZONE FEMA KEEPS MOVING THE FLOOD ELEVATIONS
- HAS MANY ALLOWABLE USES BY ZONING

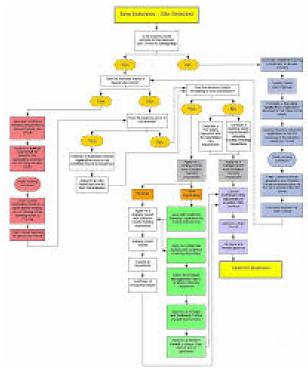


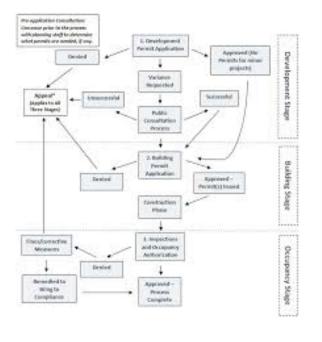




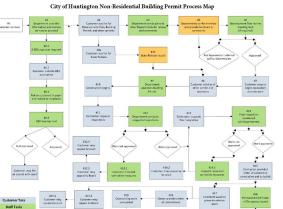


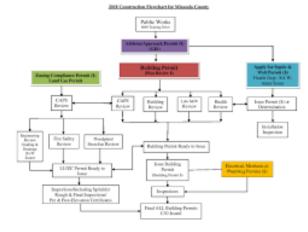
# FLOW CHARTS FOR GETTING DEVELOPMENT OR BUILDING PERMITS









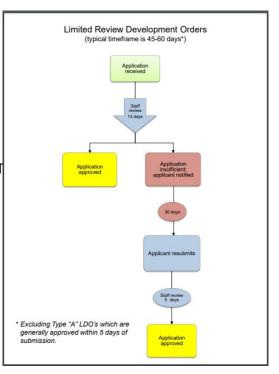


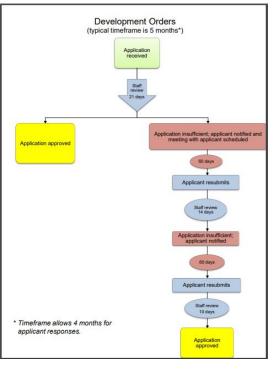




# VACANT LAND DEVELOPMENT PROCESS

- COST ARE HIGH
- REQUIRES A PRE-APP MEETING WITH AGENCIES
- TIME CAN TAKE BETWEEN 4 MONTHS FOR A (LDR)
   TO 2 YEARS FOR A (DO) THAT NEED PUBLIC
   APPROVAL AND FEDERAL APPROVALS
- IT'S A POLITICAL APPROVAL PROCESS
- IF ZONING IS ALREADY THERE THE PROCESS IS A LITTLE EASIER
- IF YOU WANT TO CHANGE THE CURRENT ZONING IT GETS MUCH MORE COMPLICATED
- IF IT'S A LARGE PARCEL OVER 20-50 ACRES THEN A (DRI) NEEDS TO BE DONE THIS IS A COMPREHENSIVE PERMITTING AND APPROVAL PROCESS WITH LOCAL, STATE, NATIONAL AGENCIES IE: RESIDENTIAL DEVELOPERS, MALLS, FGCU
- NORMALLY WE TRY TO STAY OUT OF WETLAND
  JURISDICTIONAL LANDS WHEN DEVELOPING
  PROPERTY TO KEEP REVIEW TIMES TO A
  MINIMUM





### **AGENCIES INVOLVED:**

- LOCAL JURISDICTION (4-6 MTHS)
- STATE JURISDICTION (6-10 MTHS)
- FEDERAL AGENCIES
  - SWFWMD (12-24 MTHS)
    - ERP PERMITTING
    - WATER USE PERMIT
    - WELL PERMITS
  - ARMY CORP (24 MTHS)

### WHO'S INVOLVED:

- LAND USE ATTORNEY
- COMMERCIAL REALTOR
- LAND PLANNER
- CIVIL ENGINEER
- ARCHITECT
- CONTRACTORS
- OTHERS



# CURRENT DEVELOPMENT REGULATIONS / ZONING

### **DEFINE:**

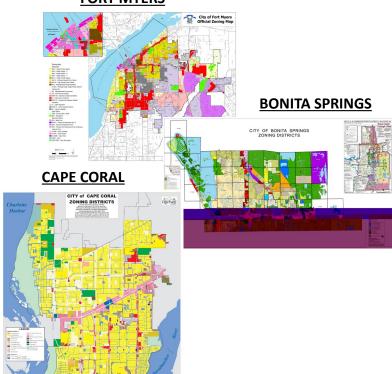
- CURRENT ZONING IS THE ALLOWABLE USES OF LAND AND CHARACTERISTICS OF STRUCTURE ON THE PROPERTY AS IT STANDS TODAY
- CURRENT ALLOWABLE USES OF YOUR PROPERTY
- COMPATIBLE ZONING CORRIDORS ARE SIMILAR ZONING PATTERNS DOWN A MAJOR STREET OR ROAD
- DENSITY CAN BE CONTROLED FROM HIGHER COMMERCIAL ZONING TO LOWER RESIDENTIAL ZONING WITH BUFFERS IN BETWEEN
- YOU CAN BUILD RIGHT AWAY IF THE USE IS COMPATIBLE AND ALLOWED
- NO NEED FOR CITY ZONING APPROVALS
- NO CITY POLITICS INVOLVED
- TELL YOU EXACTLY WHAT YOU CAN AND CAN'T BUILD ON YOUR PROPERTY

### LAND DEVELOPMENT CODE (LDC) RULES

- DEVELOPMENT REVIEW PROCESS DETERMINED
- ZONING DISTRICTS DEFINED
- DEVELOPMENT STANDARDS DEFINED
- PARKING REQUIREMENTS DEFINED
- SIGNAGE REQUIREMENT DEFINED
- NONCONFORMITIES PROCESS DEFINED

## **Current Zoning**

### **FORT MYERS**





# CURRENT REGULATIONS / ZONING DISTRICTS

LEE COUNTY	
AG-1-2-3	Agricultural
RPD	Residential Planned Development
MHPD	Mobile Home Planned Development
RSC-1-2	Residential Single Family Conservatio
RS	Residential Single Family
RSA	Residential Single Family
RS-1-2-3-4-5	Residential Single Family
TFC-1-2	Two Family Conservation
TF-1	Two Family District
RM-2-3-6-8-10-14	Residential Multi-Family
MHC-2	Mobile Home
MH-1-2-3-4	Mobile Home
RVPD	Recreational Vehicle
RV-1-2-3-4	Recreational Vehicle
CFPD	Commercial Facilities
CF-1-2-3-4	Community Facilities
CPD	Commercial Planned
	Commercial District
C-1A	
C-1-2	Commercial District
C-2A	Commercial District
CN-1-2	Neighborhood Commercial
cc	Community Commercial
CG	General Commercial
CS-1-2	Special Commercial Office
CH	Commercial Highway
СТ	Commercial Tourist
CPD	Commercial Parking
CA	
CM	Commercial Marine
CI	Commercial Intensive
CR	Commercial Rural
IPD	Industrial Planned Development
IS	
IL	Light Industrial
IG	General Industrial
IT	
IM	Marine Industrial
IR	Rural Industrial
PORT	Port District
EC	Environmental Critical
AOPD	Airport Operations
AH	
PUD	Planned Utility Development
MPD	Mixed Use Planned Development

### **QUICK TERMS:**

- R = RESIDENTIAL
- RM = RESIDENTIAL MULTI FAMILY
- MH = MOBILE HOME
- PUD = PLANNED DEVELOPMENT
- C = COMMERCIAL
- I = INDUSTRIAL
- A = AGRICULTURAL
- MX = MIXED USE

CAPE CO	RAL
R1	Single Family Residential
RML	Residential Multi Family Low
RMM	Residential Multi Family Medium
RE	Resdential Estate
A	Agricultural
С	Commercial
P	Professional Office
L	Industrial
INST	Institutional
PV	Preservation
CC	Commercial Corridor
NC	Neighborhood Commercial
MXB	Mixed-Use Bimini District
MX7	Mixed-Use Seven Islands District
SC	South Cape Downtown District
PUD	Planned Unit Development District

BONITA SPRI	NGS			
RSA	Residential Single Family			
RS-1-2-3-4	Residential Single Family			
TFC-2	Residential 2- Family Conservation			
TF-1	Residential Two Family			
RM-2	Residential Multiple Family			
RM-6	Residential Multiple Family			
RPD	Residential Commercial PD			
MH-1-2	Mobile Home Residential			
MHPD	Mobile Home Planned			
PUD	Planned Unit Development			
MPD	Mixed Use PD			
C1-A	Commercial			
C-1-2	Commercial			
CN-1-2	Neighborhood Commercial			
CC	Community Commercial			
CG	General Commercial			
CS-1-2	Special Commercial Office			
СТ	Tourist Commercial			
CM	Marine Commercial			
CPD	Commercial Industrial			
IL	Light Industrial			
IG	General Industrial			
IPD	Industrial Planned			
CF-2-3	Community Facilities			
CFPD	Community Facilities PD			
RV-1-3	Recreational Vehicle			
RVPD	Recreational Vehicle			
AG-2-3	Agricultural			
EC	Environmentally Critical			

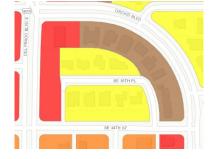
CODT NAVEDO	
FORT MYERS	
RLD	Residential Low Density 1-8 units
RMD	Residential Medium - Multi Family
S/C	Special Development
T/C	Traditional Community
C/C	Corridor Commercial
D/T	Downtown
A/P	Airport
IND	Industrial
REC	Recreation
CON	Conservation Land
M/T	Midtown



# FUTURE LAND USE (FLUM)

- FUTURE LAND USE MAPS ARE MEANT AS A GUIDE TO FUTURE DEVELOPMENT AND REDEVELOPMENT
- DENSITY CAN BE CONTROLED AND GUIDED FOR FUTURE DEVELOPMENT
- CURRENT ZONING AND FUTURE LAND USE ARE NEVER EXACTLY THE SAME
- CITY COUNCIL APPROVAL PERMITTING REQUIRED TO MAKE THEM THE SAME IF THEY ARE NOT COMPARABLE
- THIS HAPPENS A LOT IF THE PARCEL IS LARGE
- IE: CAPE CORAL

### **FUTURE**



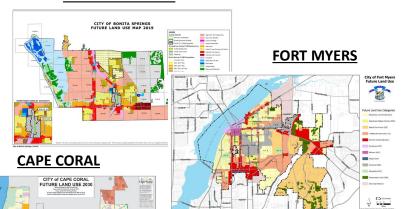
# **EXAMPLE OF DIFFERENCES**

### **CURRENT**



### **Future Land Use Maps**

### **BONITA SPRINGS**



### **LEE COUNTY**





# 3215 TROPICANA PARKWAY (SAMPLE)



		3215 TROPICANA ZONING	ANALYSIS	
CURRENT ZONING		C - COMMERCIAL	TABLE 4.1.3.B	ZONING DISTRICT DIMENSIONS
FUTURE LAND USE		COMMERCIAL/PROFESSIONAL	MINIMUM LOT AREA	NONE
LOT SIZE	6.8 ACRES	296,208 SF	FAR FRONT SETBACK	1 6 FEET
ALLOWED LOT USES		SEE ARTICLE 4	FRONT CULDESAC SETBACK SIDE SETBACK	O FEET O OR 6 FEET
ZONING DISTRICT DIMENS	SIONS	SEE TABLE 4.1.3.B	REAR SETBACK  DOUBLE FRONTAGE	10 FEET 6 FEET
OTHER STANDARDS TO FO	LLOW	SEE ARTICLE 5	CORNER LOT SIDE SETBACK	10 FEET
			MAXIMUM HEIGHT	NONE

# ZONING ANALYSIS FOR 3215 TROPICANA PARKWAY CAPE CORAL:

- VACANT LOT
- 6.8 ACRES
- C ZONING
- IS THERE WATER AND SEWER AVAILABLE
- WHAT INFRASTRUCTURE IS THERE THAT CAN SUPPORT DEVELOPMENT

ARTICLE 4 (ALLOWED LOT USES)	C - COMMERCIAL
ASSISTED LIVING	LABORATORY MEDICAL (SE)
PUBLIC INSTITUTIONAL USES	BANQUET HALL
INDOOR RECREATION	CLUB / PRIVATE / FRATERNAL
OUTDOOR RECREATION	CULTURAL CIVIC
MINATURE GOLF	MOVIE THEATERS
MARINA	RELIGIOUS INSTITUTIONS
SHOOTING RANGE	FUNERAL HOME
BOAT SALES	WIRELESS COMMUNICATION
CAR WASH	ANIMAL KENNEL
PARKING GARAGE	DAY CARE FACILITY
VEHICLE RENTAL	BANK / FINANCE
VEHICLE REPAIR MINOR	BUILDING CONSTRUCTION
VEHICLE FUELING	LANDSCAPING SERVICES
BAR	SELF STORAGE
BREW PUB	PERSONAL SERVICES
CRAFT BREWERY	PHARMACY
CAMPGROUND	PET SERVICES
HOTEL/MOTEL	PROFFESIONAL OFFICES
RESORT	PROFESSIONAL SERVICES
	REPAIR SHOPS
	RETAIL

CITY OF CAPE CORAL, FLORIDA LAND DEVELOPMENT CODE ARTICLE 4 – ZONING DISTRICTS

			NO	N-RESIDENT	TIAL				
	Minimum Lot Area (square ft.)	FAR	Front	Front, Cul-de- Sac	Side	Rear	Double Frontage	Corner Lot Side	Maximum Height (feet)
C	None	1	6	None	0 or	10	6	10	None

ARTICLE 5	LOT RESTRICTIONS
CHAPT 1	GENERAL REGULATIONS
CHAPT 2	ACCESSORY USES
CHAPT 3	LANDSCAPING
CHAPT 4	LIGHTING
CHAPT 5	SCREENING
CHAPT 6	ARCHITECTURAL STANDARDS
CHAPT 7	BUFFERS
CHAPT 8	PARKING

Ise Category	Use Type		Resid	fential Dist	ricts		Non-Residential Districts				Mixed Use Districts							
		R1	RML	RMM	RE	А	P1	С	1	INST	PV	CC	NC	MX7	MXB		SC	
																PRI	SEC	LOC
	Animal Kennel, Indoor				Р	P	Î	Р				Р		T =			Р	P
	Animal Kennel, Outdoor					P												
	Day Care Facilities - Adult or Child		P	P		P	P	P		P		P	P		P		P	P
	Banks and Finance - no drive thru						P	P				P	P			P	P	P
	Banks and Finance w/ drive thru						P	P				P						P
	Building and Construction w/o outdoor storage/display						P	P	P			Р	P			Р	Р	Р
sl and Services	Building and Construction w/ outdoor storage/display							P*	p*			p*						
Commercial and ofessional Servic	Landscaping Services w/o outdoor storage/display						Р	P	Р			Р	Р			P	Р	Р
Commerci Professional	Landscaping Services w/outdoor storage/display							p*	p*			p*						
E -8	Self-Storage Facilities							p*	p*			p*						
ES	Personal Services						P	P				P	P	P	P	P	P	P
8 %	Pharmacy – no drive through						P	P				P	P	P	P	P	P	P
	Pet Services					8	P	P	9		- 8	P	P			Р	P	P
_	Pharmacy with drive through							P				Р						P
	Professional Offices						P	P				P	P	P	P	P	P	P
	Professional Services					3	P	P	- 6			P	P		P		P	P
	Radio and TV Station								P	P		Р	P				Р	P
	Repair Shops							P	P			P	P				P	P
	Retail ≤30,000 sq. ft. per tenant							P				P	P	P	P	Р	Р	P
	Retail >30,000 sq. ft. per tenant		_				1 -	P	_		_	P	SE			SE	SE	SE

### **ZONING RESEARCH**

(84 units-7 residential floors- 2 g	arage floor 127 cars)
zoning	SC
lot SF	31200
acreage	0.7162
FAR	4
total SF allowed to build	NO LIMIT
maximum units per acre	125
max allowed units	89.525
maximum height/stories	120/10
setbacks side/front/alley ft	0/0/5
parking	127
studio apt	20
1bd/1ba	39
2bd/2ba	25
total units	84
number of units	84
square foot per unit	1200
FAR	4
units per floor	12
residential floors	7
unit cost per estimate	175
unit cost to build	
parking floors	2
SF per floor	14400
SF core per floor	2600
SF total per floor plate	17000
size of residential floor (total)	119000
garage sf	75000
total sf of bldg	194000
height of building ft	90
number of cars	127
sales cost per unit	
sales price at sellout	\$ -
lot size	31200
lot SF	31200
cost of construction estimate	175
bldg construction cost	
land cost	
garage cost	
soft cost	
total costs	
difference SP to TC	



# EXISTING BUILDING PROCESS / REMODELING

### TENNANT REMODELING AND BUILDING CODE:

- BUILDING CODE RESEARCH
- EXISTING BUILDING CODE
- FLORIDA BUILDING CODE
- FLORIDA FIRE PROTECTION CODE
- NATIONAL ELECTRICAL CODE
- NATIONAL FLOOD CODE
- FLORIDA ACCESSIBILITY CODE
- WHEN YOU MODIFY AN EXISTING BUILDING ABOVE THE 50% COST OF THE BUILDING THEN THE EXISTING BUILDING MUST BE BROUGHT UP TO CODE
- NEW REMODELING MIGHT REQUIRE:
  - A NEW FIRE ALARM AND SPRINKLERS
  - CHANGE IN THE NUMBER OF PLUMBING FIXTURES
  - REVAMPING EXISTING ELECTRICAL AND MECHANICAL SYSTEMS
  - ADA ACCESSIBLE DOORS AND ENTRANCES AND RAMPS
  - EXIT ACCESS / EGRESS ISSUES
  - FIREWALLS
- IF A COMMERCIAL BUILDING IS ALTERED MORE THAN 50% AND IT IS LOCATED IN A FLOOD ZONE THEN FLOOD PROTECTION IS REQUIRED







### MY BUILDING CODE RESEARCH ROOM





# FLORIDA BUILDING CODE PROCESS (CHECKLIST)

# CHABLOZ

### **Community Development Department**

18400 Murdock Circle, Port Charlotte, FL 33948 Building Phone: 941.743.1201 | Building Fax: 941.764.4907 Zoning Phone: 941.743.1964 | Zoning Fax: 941.743.1598 BuildingSvcs@CharlotteCountyFL.gov www.CharlotteCountyFL.gov

"To exceed expectations in the delivery of public services" COMMERCIAL DATA SUMMARY SHEET (page 1 of 2) Florida Building Code Sixth Edition (2017)

Application Date

OWNER NAME: PROJECT ADDRESS:								
Chapter 3- Use and Occupancy Classification								
Section 302. Classification(s)								
Chapter 4 - Special Detailed Requirements Based on Use and Occupancy Section# Title Title								
Special Requirements								
General Building Limitations - Table 503 Sprinklered Unsprinklered								
Occupancy Classification (Group): Type of Construction	n: Area Tabulation							
Area Actualsq.ft Allowablesq.ft	Conditioned sq.ft							
Stories Actual Allowable Area Modification: (Sec	Other sq.ft							
Height Actual ft Allowable ft Height Modification: (S								
Fire Protection (Chapter 6) Construction Type   I   II   III   IV	V							
Table 601 Fire Resistance Rating Requirements for  North Wall South	h Wall East Wall West Wall							
Building Elements Actual Separation Distance (ft)								
Table 602 Fire Resistance Rating Requirements for  Allowable Separation (ft)								
Exterior Walls based on Fire Rating Required (Hr)								
Fire And Smoke Protection Features (Chapter 7)								
Fire Walls (Section 706) Hr. (Table 706.4) Horizontal Exit	Hr. (Section 707.3.5)							
Townhouse Separation Hr. (Section 706.4.1) Incidental Use Ar	eas Hr. (Section 707.3.7)							
Shaft Enclosures, Stairs Hr. (Section 708) Separation of Mix	xed Occup Hr. (Section 707.3.9)							
Shaft Enclosures, Elevator Hr. (Section 708) Single Occupance	y Fire Areas Hr. (Table 707.3.10)							
Exit Enclosures Hr. (Section 707) Tenant Separation	hr. (Section 709)							
Exit Passageway Hr. (Section 707.3.4) Other	Hr.							
Opening protectives provided per section 716. Yes No	Draft Stopping Completed TYes No							
Concealed Spaces Section 718: Fire Blocking Completed Yes No								
Interior Finishes (Chapter 8)								
Walls and Ceilings Exits Exit Access Other								
Floors Exits Exit Access Other								
Fire Prevention Code								
Walls and Ceilings Exits Exit Access Other								
Floors Exits Exit Access Other								
	13/2017 in							

	HABLOZZA	
		1
COUNT	( E.	E
` 3	1921	•

### **Community Development**

18400 Murdock Circle, Port Charlotte, FL 33948 Phone: 941.743.1201 Fax: 941.764.4907 Zoning: 941.743.1964 www.CharlotteCountyFL.gov

"To exceed expectations in the delivery of public services" **COMMERCIAL DATA SUMMARY SHEET** (page 2 of 2)

Permit Number	
	r
20	
Application Date	
CSR Initials	

1921	Florida Build	ing Code Sixth	Edition (2017)	, ,	-		
Fire Protection Systems	(Chapter 9) Fire alarm and dete	ction systems Sm	oke Alarms	□No Fire	e Alarms  Yes  No		
Automatic Sprinkler Syste	ms (Section 903) NFPA 13	□NFPA 13R □	NFPA 13D				
Alternative Automatic Fire	e Extinguishing Systems (Section	904)					
Means Of Egress (Chapte Occupant Load (Section 1		1004.1.2) Means	of Egress Sizing	(Section 1005)	Inches		
Exit and Exit Access Doorv	vays: Section 1015	Minim	um Corridor Wic	th(Section 1018.2)	) Inches		
Number of Exits <b>Required</b> (Section 1020) Two or more exits - separation distance <b>required</b> (ft)							
Number of Exits <b>Provide</b>	d	Two or more ex	its - separation	Yes distance <b>provided</b>	(ft)		
Exit Access Travel Distan	ce <b>Required</b> (ft) (Sec. 1016, Tabl	e 1016.2)	Exit Ac	cess Travel Distanc	ce Provided (ft)		
Single Exit Permitted (Se		Corridors Fire Res	istance Rating (	Table 1018.1)			
Structural Design (Cha							
	p.s.				p.s.f (Section 1606)		
Roof Design: Live Lo			ead Load		p.s.f (Section 1606)		
Load Combinations			(Section 1605)				
Basic Wind Speed (Vult) Exposure Category Secti	Enclosed Partially Enclosed Mph (Section on (1609.4) B C C nd Pressure Design Loading:	1609.3) No	minal Design W sign Load-Bearir	ind Speed (Vasd)	Flood Zone m.p.h.		
Windows				Garage Doors	p.s.f		
Component and Claddin	p.s.1 Component and Cladding design pressure for openings shall be indicated on floor plan at each individual opening or provide worst case						
Plumbing Fixture Table	403.1 - Plumbing Code Requi	red Provided			Men Women		
Drii	nking Fountains			Water Closets Rec	quired		
Ser	vice Sinks			Water Closets Pro	ovided		
Bat	htubs/Showers			Urinals Required			
Kito	hen Sinks	Per [	Owelling Unit	Lavatories Requir	red		
Clo	thes Washer Connection	Per [	Owelling Unit	Lavatories Provid	led		
been designed to	est of my knowledge and belie o comply with the structural po as amended and enforced by th	rtion of the Buildi	ing Code for wi				
Signature:		_ Date:		Archite	ct / Engineer Seal		
					12/2017 !-		



# FLORIDA BUILDING CODE PROCESS (CHAPTERS)

### **DEFINITIONS (CHAPT. 2)**

ALL BUILDING CODE TERMS DEFINED

### **OCCUPANCY CLASSIFICATIONS (CHAPT. 3)**

- CLASIFY THE OCCUPANCY OF A SPACE
- ASSEMBLY / BUSINESS / EDUCATIONAL / FACTORY / INDUSTRIAL / HIGH HAZARD / INSTITUTIONAL / MERCANTILE / RESIDENTIAL / STORAGE / UTILITY
- DEFINES WHAT EACH ONE IS

### **SPECIAL USES AND OCCUPANCY (CHAPT. 4)**

 HOSPITALS / NURSING HOMES / SURGERY CENTERS / SWIMMING POOLS / SCHOOLS AND COLLEGES / ADULT DAY CARE CENTER / ASSISTED LIVING FACILITIES / PUBLIC LODGING ESTABLISHMENTS / ETC.

### **BUILDING HEIGHT AND AREA MODIFICATIONS (CHAPT. 5)**

- DETERMINES THE AREA AND HEIGHT ALLOWABLE OF BUILDINGS BY OCCUPANCY
- TYPES OF CONSTRUCTION ARE ALSO DETERMINED (TYPE I, II, III, IV, V)
- TYPE V IS WOOD CONSTRUCTION (MOST POPULAR)
- TYPE II IS CONCRETE AND STEEL CONTRUCTION (COMMERCIAL)
- REQUIRED SEPARATION OF OCCUPANCIES IN HOURS



2017 Florida Building Code -Plumbing, Sixth Edition (First Printing: Jul 2017)



2017 Florida Building Code -Residential, Sixth Edition (First Printing: Jul 2017)



2017 Florida Building Code -Energy Conservation, Sixth Edition (First Printing: Jul 2017)



2017 Florida Building Code-Test Protocols for High Velocity Hurricane Zone, Sixth Edition (First Printing: Jul 2017)



2017 Florida Building Code -Building, Sixth Edition (First Printing: Jul 2017)

# FLORIDA BUILDING CODE

2017 Florida Building Code -Accessibility, Sixth Edition



2017 Florida Building Code -Existing Building, Sixth Edition (First Printing: Jul 2017)



2017 Florida Building Code -Fuel Gas, Sixth Edition (First Printing: Jul 2017)



2017 Florida Building Code Mechanical, Sixth Edition

(First Printing: Jul 2017)

### **TYPE OF CONSTRUCTION (CHAPT. 6)**

- BUILDING TYPE OF CONSTRUCTION FIRE RATINGS
   DETERMINED (PROTECTED, UNPROTECTED CATEGORIES)
- DETERMINES THE EXTERIOR WALL RATINGS BASED ON THE SEPARATION FROM THE PROPERTY LINE

### FIRE AND SMOKE PROTECTIONS (CHAPT. 7)

- FIRE WALL DESIGNATION RESISTANCE RATING
- ALL FIRE AND SMOKE SEPARATION RELATED ITEMS

### **INTERIOR FINISHES (CHAPT. 8)**

 CLASSIFICATION OF FINISHES FOR MATERIALS USED FOR FINISHES (EXITS, STAIRWAYS CORRIDORS, ROOMS)

### **MEANS OF EGRESS (CHAPT. 10)**

- ALL ITEMS RELATED TO EXITING REQUIREMENTS IN A BUILDING
- OCCUPANT LOAD CALCULATIONS
- MEANS OF EGRESS / NUMBER OF EXITS / EXIT ACCESS
   DISTANCES / STAIRWAYS / RAMPS / HANDRAILS / GUARDS /
   EXIT TRAVEL DISTANCES / CORRIDORS WIDTH AND SIZES /



# FLORIDA BUILDING CODE PROCESS

### **ACCESSIBILITY (FLORIDA ACCESSIBILITY CODE)**

- ALL ITEMS RELATED TO THE FLORIDA ACCESSIBILITY CODE
- ADA STANDARDS FOR ACCESSIBLE DESIGN ADA.GOV (FEDERAL CODE)

### **ENERGY EFFICIENCY CODE (MECHANICAL)**

**ENERGY CALCULATIONS** 

### **PLUMBING CODE**

ALL ITEMS RELATED TO PLUMBING LINES AND WATER LINE INSTALLATION

### **FUEL GAS CODE**

**GOVERNS ALL ITEMS RELATED TO FUEL GAS** LINE INSTALLATION

2017 Florida Building Code -Plumbing, Sixth Edition (First Printing: Jul 2017)



2017 Florida Building Code -Residential, Sixth Edition (First Printing: Jul 2017)



2017 Florida Building Code -Energy Conservation, Sixth (First Printing: Jul 2017)



2017 Florida Building Code -Test Protocols for High Velocity Hurricane Zone, Sixth Edition (First Printing: Jul 2017)



2017 Florida Building Code -Building, Sixth Edition (First Printing: Jul 2017)

# FREE VIEW

2017 Florida Building Code -Accessibility, Sixth Edition



2017 Florida Building Code -Existing Building, Sixth Edition





2017 Florida Building Code -Mechanical, Sixth Edition (First Printing: Jul 2017)

### **EXISTING BUILDING CODE**

ALL CODES RELATED TO REMODELING AND RENOVATING AN EXISTING BUILDING

### RESIDENTIAL CODE

ALL CODES RELATED TO RESIDENTIAL CONSTRUCTION AND DESIGN

### OTHER CODES (NFPA/ELEVATOR/POOL/WIND)

- NATIONAL FIRE PROTECTION ASSOCIATION
- **USG WALL FIRE RATINGS**
- FLORIDA HEALTH DEPT CODES
- WIND LOAD CODES (ASCE 8)
- A LOT MORE.....(SEE PICTURE OF MY CODE **RESEARCH ROOM)**

### FIRE DEPARTMENT INSPECTIONS

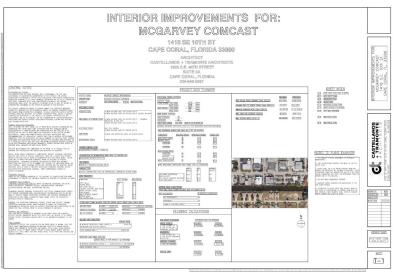
- FIRE INSPECTION ARE THE "MOST CHALLENGING" OF ALL INSPECTIONS
  - THEY ONLY ANSWER TO THE STATE FIRE MARSHALL IF THERE ARE DIFFERENCES OF OPINION



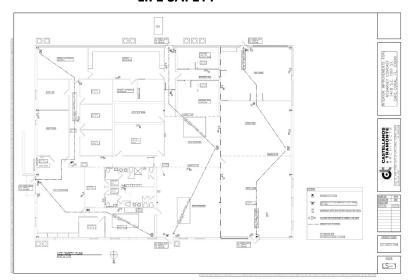


# SAMPLE PROJECT FOR TENNANT IMPROVEMENT

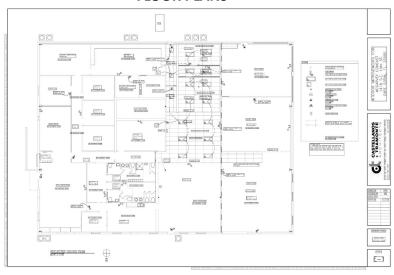
### **CODE / TITLE**



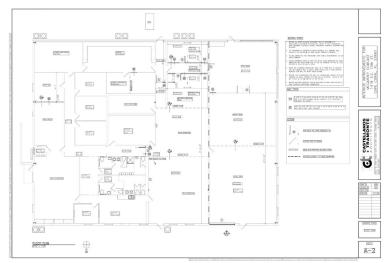
### **LIFE SAFETY**



### **FLOOR PLANS**



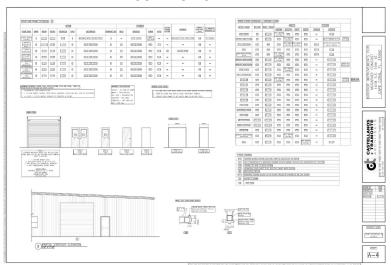
### **DEMOLITION**



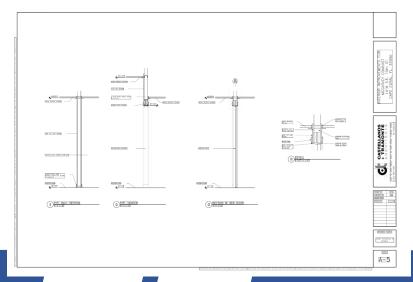


# SAMPLE PROJECT FOR TENNANT IMPROVEMENT

### **SCHEDULES**



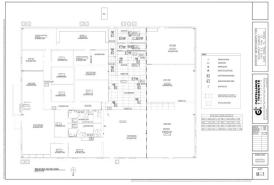
### **SECTIONS/DETAILS**



### **ELECTRICAL**



### **MECHANICAL**



### **PLUMBING**





### HYPERLINKS TO GOVERNMENT BUILDING AND ZONING DEPARTMENTS

- ✓ CITY OF CAPE CORAL
  - ✓ APPLYING FOR A PERMIT https://etrakit.capecoral.net/etrakit3/
  - ✓ PERMITTING DOCUMENT CENTER <a href="https://www.capecoral.net/department/community\_development/permitting/permitdocumentcenter.php">https://www.capecoral.net/department/community\_development/permitting/permitdocumentcenter.php</a>
  - ✓ LAND USE PLAN <a href="https://www.capecoral.net/department/community-development/land-development-code-rewrite.php">https://www.capecoral.net/department/community-development/land-development-code-rewrite.php</a>
- ✓ CITY OF FORT MYERS
  - ✓ https://www.cityftmyers.com/1180/Community-Development
  - ✓ https://www.cityftmyers.com/1645/Permits-Applications
- ✓ LEE COUNTY
  - ✓ APPLYING FOR A PERMIT http://www.leegov.com/dcd
  - ✓ PERMITTING DOCUMENT CENTER http://www.leegov.com/dcd/eServ/econnect
  - ✓ BUILDING AND PERMITTING http://www.leegov.com/dcd/BldPermitServ
- ✓ CITY OF BONITA SPRINGS
  - ✓ APPLYING FOR A PERMIT http://energov.cityofbonitasprings.org/CitizenAccess/Site/Public/Main
  - ✓ LAND USE PLAN https://library.municode.com/fl/bonita\_springs/codes/comprehensive\_plan
- ✓ TOWN OF ESTERO
  - ✓ APPLYING FOR A PERMIT https://estero-fl.gov/building-permit-application/
  - ✓ PERMITTING DOCUMENT CENTER –
- ✓ TOWN OF FORT MYERS BEACH
  - ✓ APPLYING FOR A PERMIT https://www.fortmyersbeachfl.gov/961/eServices



# **QUESTIONS?**

- ZONING
- CONSTRUCTION
- PERMITTING
- BUILDING CODE



# THANK YOU FOR YOUR TIME!!!

