

02 03	04 05	06 07 08	09	
2018 APPENDIX B			COMcheck Software Version 4.1.1.0	
	STORY NO. DESCRIPTION BLDG. AREA PER STORY TABLE 506.24	LIFE SAFETY PLAN REQUIREMENTS	Envelope Compliance Certificate	
BUILDING CODE SUMMARY FOR ALL COMMERCIAL BUILDINGS	AND USE PER STORY AREA FRONTAGE AREA PER STORY OR UNLIMITED 2,3	Life Safety Plan Sheet #: A1.01, A1.02, A1.03		
(except 1 and 2-family dwellings and townhouses)	THIRD S-1 37,851 52,500 SF NOT REQUIRED 52,500 SF	Fire and / or smoke rated wall locations (Chapter 7)	Project Information Energy Code: 2015 IECC	
	SECOND S-1 37,851 52,500 SF NOT REQUIRED 52,500 SF FIRST S-1, M 37,851 52,500 SF NOT REQUIRED 52,500 SF	 Assumed and real property line locations (if not on the site plan) SEE CIVIL Exterior wall opening area with respect to distance to assumed property lines (705.8) SEE CIVIL 	Project Title: Bee Safe Storage and Wine Cellar Mariner Village Location: Stuart, Florida	
Name of Project: BEE SAFE STORAGE AND WINE CELLAR Address: MARINER VILLAGE SQUARE -STUART, FLORIDA Zip Code: 34997		 Occupancy types for each area as it relates to occupant load calculation (Table 1004.1.2) Occupant loads for each area 	Climate Zone: 2a Project Type: New Construction Vertical Glazing / Wall Area: 9%	
Proposed Use: SELF-STORAGE FACILITY	1 Frontage area increases from Section 506.2 are computed thus:	■ Exit access travel distances (1017)		7 ST 0 ST
Owner or Authorized Agent: LANCE APPELBERG Phone # (336) 471-8487 E-Mail: lappelberg@cipconst.com	a. Perimeter which fronts a public way or open space having 20 feet minimum width = $869'-6"$ (F) b. Total Building Perimeter = $869'-6"$ (P)	 Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))) N/A; NONE Dead end lengths (1020.4) 	Construction Site: Owner/Agent: Designer/Contractor: Stuart, FL Lance Appelberg Michael West CIP Construction, Inc. West & Stem Architects, PLLC	
Owned By: City / County ☐ Private ■ State ☐	c. Ratio (F/P) = <u>1</u> (F/P)	 Clear exit widths for each exit door Maximum calculated occupant load capacity each exit door can accommodate based on egress width (1005.3) 	201 N Elm Street 5455 Bethania Rd Greensboro, NC 27401 Winston Salem, NC 27106 336-471-8487 336-932-1273 lappelberg@cipconst.com m.west@westandstem.com	
Code Enforcement Jurisdiction: City □ County ■ MARTIN State □	d. W = Minimum width of public way = 30 (W) e. Percent of frontage increase I _f = 100 [F/P - 0.25]x W/30 = 75 (%)	 Actual occupant load for each exit door A separate schematic plan indicating where fire rated floor / ceiling and / or roof structure is provided for purposes 	Additional Efficiency Package(s)	S-C
CONTACT:PATRICK M. WEST JR., AIA	Unlimited area applicable under conditions of Section 507. Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).	of occupancy separation N/A Location of doors with panic hardware (1010.1.10)	High efficiency HVAC. Systems that do not meet the performance requirement will be identified in the mechanical requirements checklist report.	
DESIGNER FIRM NAME LICENSE # TELEPHONE # E-MAIL Architectural WEST & STEM ARCHITECTS, PLLC P MICHAEL WEST, AIA AR 100839 (336) 923.2377 m.stem@westandstem.com	The maximum area of open parking garages must comply with 406.5.4. The maximum area of air traffic control towers must	□ Location of doors with delayed egress locks and the amount of delay (1010.9.7) N/A; NONE	Building Area Floor Area 1-Warehouse: Nonresidential 113553	
Civil (BY OWNER) - BOWMAN CONSULTING LISA LEONARD, PE FL (772) 283.1413 leonard@bowmancorsulting.cc Electrical GREG MULLHOLLAND, PE GREGORY MULHOLLAND, PE FL 47221 (336) 972.0796 greg@pe-triod.com		 □ Location of doors with electromagnetic egress locks (1010.1.9.9) N/A; NONE □ Location of doors with equipped with hold-open devices N/A; NONE 	Envelope Assemblies	
Fire Alarm GREG MULLHOLLAND, PE GREGORY MULHOLLAND, PE FL 47221 (336) 972.0796 geg@pe-tifod.com		 □ Location of emergency escape windows (1030) N/A; NONE REQUIRED □ The square footage of each fire area (902) N/A 	Assembly Gross Area Cavity Cont. Proposed Budget U- or R-Value U-Factor Factora	
Plumbing CHRIS R. STROUPE III, PE CHRISTOPHER R. STROUPE, PE FL 77383 (336) 724.0139 chris @ceseng.net Mechanical CHRISTOPHER R. STROUPE, PE FL 77383 (336) 724.0139 chris @ceseng.net	ALLOWABLE HEIGHT	 □ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5) N/A □ Note any code exceptions or table notes that may have been utilized regarding the items above N/A 	Perimeter Roof 1: Metal Building, Standing Seam: High Albedo Roof Required, 38037 30,0 11.0 0.040 0.035 Double Insulation Layer with Thermal Blocks (d), 3-Year-Aged Solar	to an analysis of the second s
Sprinkler-Standpipe Structural DESIGN BUILD- COORDINATE WITH GENERAL CONTRACTOR Structural DESIGN BUILD- COORDINATE WITH GENERAL CONTRACTOR Structural JENNIFER ZABIK FL 69265 (407) 864-8120 JABIK ZIENGINEERING.COM	ALLO WANDEL HEIOTH	Note any code exceptions of table notes that may have been utilized regarding the tiems above 1474	Double Insulation Layer with Thermal Blocks (d), 3-Year-Aged Solar Reflectance Index = 68.00 (e), [Bldg, Use 1 - Warehouse] Floor 1; Slab-On-Grade:Unheated, [Bldg, Use 1 - Warehouse] (c) 870 0.730 0.730	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Retaining Walls>5'	ALLOWABLE SHOWN ON PLANS CODE REFERENCE	A COECCIDI E DIAVELLIA COLIA IITO	NORTH Exterior Wall 1: Steel-Framed, 16" o.c., [Bldg. Use 1 - Warehouse] 8185 19.0 7.6 0.060 0.077	
High Other ('Other' should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)	Building Height in Feet (Table 504.3) 75' 40' MAX 504.3	ACCESSIBLE DWELLING UNITS (SECTION 1107)	Window 1: Metal Frame with Thermal Break:Fixed, Perf. Specs.: 347 0.460 0.500 Product ID NA, SHGC 0.25, [Bldg. Use 1 - Warehouse] (b):	
(O ii iai si iounu ii iounu ii ii ii ii ii ioinnuu absuur i as ii iuss, precasi, preen ginearea, in ieriar designers, etc.)	Building Height in Stories (Table 504.4) 3 504.4	ACCESSIBLE ACCESSIBLE TYPE 'A' DITHE 'A DITHE 'B' TYPE 'B' TOTAL ACCESSIBLE	Window 2: Metal Frame with Thermal Break: Fixed, Perf. Specs.: 460 — 0.460 0.500 Product ID NA, SHGC 0.25, [Bldg. Use 1 - Warehouse] (b) Door 1: Insulated Metal, Swinging, [Bldg. Use 1 - Warehouse] 24 — 0.400 0.610	
2017 FLORIDA BUILDING CODE New Building Addition 1st Time Interior Construction (Upfit) Core Phased Construction	Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.	TOTAL UNITS ACCESSIBLE ACCESSIBLE TYPE 'A' UNITS REQUIRED PROVIDED REQUIRED PROVIDED TOTAL ACCESSIBLE UNITS PROVIDED REQUIRED PROVIDED TOTAL ACCESSIBLE UNITS PROVIDED	EAST Exterior Wall 3: Steel-Framed, 16" o.c., [Bldg. Use 1 - Warehouse] 5790 19.0 7.6 0.060 0.077	EINIAI
6TH EDITION			Window 4: Metal Frame with Thermal Break:Fixed, Perf. Specs.: 169 0.460 0.500 Product ID NA, SHGC 0.25, [Bldg. Use 1 - Warehouse] (b)	FINAL
CONSTRUCTED (DATE): N/A ORIGINAL USE(S) (CH.3): N/A CURRENT USE(S) (CH.3): -	FIRE PROTECTION REQUIREMENTS	NOTE: ***	Product ID NA, SHGC 0:25, [Bldg. Use 1 - Warehouse] (b) Door 5: Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. 96 0.460 0.830	CONSTRUCTION
PROPOSED USE(S) (CH.3): S-1	FIRE RATING BUILDING ELEMENT FIRE RATING PROVIDE DETAIL # FOR DESIGN # FOR PAIFD PROVIDE DETAIL # FOR DESIGN # FOR PAIFD RATED		Specs.: Product ID NA, SHGC 0.25, [Bldg. Use 1 - Warehouse] (b) Door 6: Uninsulated Single-Layer Metal, Swinging, [Bldg. Use 1 - 295 0.800 0.610 Warehouse]	DRAWINGS
	DISTANCE (FEET) REQ'D REQ'D REQ'D REQ'D REQ'D REQ'D REQUCTION) RATED PROVIDE AND RATED PROVIDE RA	ACCESSIBLE PARKING	SOUTH Exterior Wall 2: Steel-Framed, 16" o.c., [Bldg. Use 1 - Warehouse] 6775 19:0 7.6 0.060 0:077	AND
	Structural Frame, including columns, girders, 0 HR 0 HR	(SECTION 1106)	Window 3: Metal Frame with Thermal Break:Fixed, Perf. Specs.: 290 0.460 0.500 Product ID NA, SHGC 0.25, [Bldg. Use 1 - Warehouse] (b)	AKCH//
BASIC BUILDING DATA Construction Type: -A	trusses O HR	LOT OR PARKING AREA TOTAL # OF PARKING SPACES # OF ACCESSIBLE SPACES PROVIDED TOTAL # ACCESSIBLE PROVIDED PROVIDED TOTAL # ACCESSIBLE PROVIDED	Door 2: Insulated Metal, Swinging, [Bldg. Use 1 - Warehouse] 24 0.400 0.610 Door 3: Uninsulated Single-Layer Metal, Swinging, [Bldg. Use 1 - 1062 0.800 0.610 Warehouse]	CERT. NO.
Construction Type: I-A	Exterior N/A	AREA REQUIRED PROVIDED REGULAR WITH 5' ACCESSIBLE PROVIDED REGULAR WITH 5' ACCESSIBLE PROVIDED	Door 4: Glass (> 50% glazing):Metal Frame, Entrance Door, Perf. 96 0.460 0.830 Specs.: Product ID NA, SHGC 0.25, [Bldg. Use 1 - Warehouse] (b)	52294 AR100839
Sprinklers: □ No □ Partial ■ Yes ■ NFPA 13 □ NFPA 13R □ NFPA 13D	North $X \ge 30'-0"$ 0 HR 0 HR	DEFERTO	WEST Exterior Wall 4: Steel-Framed, 16" o.c., [Bldg. Use 1 - Warehouse] 5954 19.0 7.6 0.060 0.077 Window 6: Metal Frame with Thermal Break: Fixed, Perf. Specs.: 577 0.460 0.500	PRED AR
Standpipes: No Yes Class	East	TOTAL	Product ID NA, SHGC 0.25, [Bldg. Use 1 - Warehouse] (b) (a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.	
Fire District: ■ No □ Yes (Primary) Flood Hazard Area: ■ No □ Yes Special Inspections Required: □ No ■ Yes	West $X \ge 30'-0"$ 0 HR 0 HR South $X \ge 30'-0"$ 0 HR 0 HR	NOTE: ***	 (b) Fenestration product performance must be certified in accordance with NFRC and requires supporting documentation. (c) Slab-On-Grade proposed and budget U-factors shown in table are F-factors. (d) Thermal spacer block with minimum R-3.5 must be installed above the purlin/batt, and the roof deck secured to the purlins. 	revisions
	Interior N/A		 (a) Thermal spacer block with minimum K-3.5 must be installed above the purilinoatt, and the roof deck secured to the purilins. (e) High albedo roof requirement options: 1) 3-year aged solar reflectance >= 0.55 thermal emittance >= 0.75, 2) 3-year aged solar reflectance index >= 64.0, 3) Initial year aged solar reflectance >= 0.70 thermal emittance >= 0.75, 4) Initial year aged solar reflectance index >= 82.0. 	
GROSS BUILDING AREA TABLE	Nonbearing Walls and	PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)	Envelope PASSES: Design 2% better than code	
FLOOR EXISTING (SQ. FT.) NEW (SQ. FT.) SUB-TOTAL 3rd Floor	Partitions Exterior walls	WATERCLOSETS LIBINALS LAVATORIES SHOWERS/ DRINKING FOUNTAINS	Envelope Compliance Statement Compliance Statement: The proposed envelope design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed envelope systems have been	-
2nd Floor - 37,851 SF -	North North	MALE FEMALE ORINALS MALE FEMALE TUBS REGULAR ACCESSIBLE EXISTING	designed to meet the 2015 IECC requirements in COMcheck Version 4.1.1.0 and to comply with any applicable mandatory	
<u>Mezzanine</u> - 37,851 SF -	East -	SPACE NEW 2 2 - 2 2 - 1 1 1 REQUIRED 2 2 - 2 2 - 1 1 1	Perspect Michiga Wost - Specialistic Puthle LT 9-12-20 Name - Title Signature Date	
<u>1st Floor</u> - 37,851 SF -	West	NOTE: SERVICE SINK REQUIRED PER 2017 FLORIDA BUILDING CODE TABLE 2902.1		
Basement - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -<	South - OHP OHP	FIXTURE LOCATIONS ARE BASED ON 377 TOTAL STORAGE BUILDING; 189 MALE AND 189 FEMALE	MECHANICAL SUMMARY	
	Interior walls and partitions _ 0 HR 0 HR Floor Construction		MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT	
	including supporting beams and joists 0 HR 0 HR		Thermal Zone Winter Dry Bulb:	
ALLOWABLE AREA imary Occupancy Classification(s):	Floor / Ceiling Assembly 0 HR 0 HR		Summer Dry Bulb:	E MIME
Assembly	Columns Supporting Floors 0 HR 0 HR	SPECIAL APPROVALS Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)	Interior design conditions	
Business Educational	Roof Construction including supporting beams and joists 0 HR 0 HR	тр с с с с с с с с с с с с с с с с с с с	Winter Dry Bulb: Summer Dry Bulb:	SS < \$ > 图
Factory	Shaft Enclosures - Exit 1 HR 1 HR 9B/A1.05 U.L. U906 SEE PME DRWGS 7F/A1.05 HW-D-0081		Relative Humidity: Ruilding heating load:	型 (大) (大)
Hazardous	Shaft Enclosures - Other 1 HR 1 HR 9B/A1.05 U.L. U906 SEE PME DRWGS 7F/A1.05 HW-D-0081		Summer Dry Bulb: Relative Humidity: Building heating load: Building cooling load: Mechanical Space Conditioning system Unitary: Description of Unit: Heating Efficiency:	
I-3 Condition	Corridor Separation 0 HR 0 HR 0 HR 2015 INTERNATIONAL BUILDING CODE Occupancy / Fire Barrier N/A; NONE	STRUCTURAL DESIGN DESIGN LOADS:	Mechanical Space Conditioning system	
Residential \square R-1 \square R-2 \square R-3 \square R-4	Separation N/A; NONE Party/Fire Wall Separation N/A; NONE	Importance Factors: Wind (I) W	Unitary: REFERENCE	
torage ■ S-1 Moderate □ S-2 Low □ High-Piled □ Parking Garage □ Open □ Enclosed □ Repair Garage	Smoke Barrier Separation N/A; NONE	Snow (I) _S		U LIVE
Utility / Misc. Cessory Occupancy Classification(s): M (MERCANTILE); LEVEL 1 ONLY	Smoke Partition N/A; NONE	Live Load: Roof psf.	Cooling Efficiency: Size Category of Units:	Z
cessory Occopancy Classification (s). NONE NONE	Tenant / Dwelling Unit / Sleeping Unit Separation	Mezzanine psf.	Boiler:	
ecial Uses (Ch. 4 - List Code Sections): NONE	Incidental Use Separation N/A; NONE	Floor psf.	Size Category. If Oversized, State Reason: Chiller:	5
ecial Provisions (Ch. 5 - List Code Sections): NONE	* Indicate section number permitting reduction	Ground Snow Load: psf. Wind Load: Basic Wind Speed mph (ASCE-7)	Total Chiller Capacity. If Oversized, State Reason: <u>-</u> List equipment efficiencies <u>-</u>	
xed Occupancy: ■ No □ Yes Separation: Hr. Exception: -	NOTE: ***	Exposure Catiegory -	ELECTRICAL SUMMARY	
The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the	PERCENTAGE OF WALL OPENING CALCULATIONS	SEISMIC DESIGN CATEGORY DRAWINGS	ELECTRICAL SYSTEM AND EQUIPMENT	Z
entire building. □ Separated Use (508.4) - See below for area calculations		Provide the following Seismic Design Parameters: Occupancy Category (Table 1604.50.7RU) Spectral Posponso Acceleration:	Method of Compliance:	
□ Separated use (508.4) - See below for area calculations For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.	FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY UNIES DEGREE OF OPENINGS PROTECTION (TABLE 705.8) ALLOWABLE AREA (%) (%) (%)	specific response and entitle size and specific	☐ Prescriptive (Energy Code) ☐ Performance (Energy Code)	Copyright 2019 West & Stem Architects, PLLC
	LINES NORTH X ≥ 30'-0" - SEPARATION IS GREATER THAN 30' - SEPARATION IS UNLIMITED	Site Classification (ASCE)	☐ Prescriptive (ASHRAE 90.1) ☐ Performance (ASHRAE 90.1)	vvest & Stern Architects, PLLC
Actual Area of Occupancy A Allowable Area of Occupancy A + Actual Area of Occupancy B Allowable Area of Occupancy B > 1	SOUTH X ≥ 30'-0" - SEPARATION IS GREATER THAN 30' - SEPARATION IS UNLIMITED	Basic structural system (check one)	Lighting a shoot de la la la gala fivitura tura a)	BUILDING DATE SHEET
+ = < 1.00	EAST X ≥ 30'-0" - SEPARATION IS GREATER THAN 30' - SEPARATION IS UNLIMITED	 □ Bearing Wall □ Dual w/Special Moment Frame □ Dual w/Intermediate R/C or Special Steel 	Lighting schedule (each fixture type) Lamp Type Required in Fixture:	APPENDIX "B"
	WEST X ≥ 30'-0" - SEPARATION IS GREATER THAN 30' - SEPARATION IS UNLIMITED	☐ Moment Frame ☐ Inverted Pendulum	Number of Lamps in Fixture -	sheet
		Analysis Procedure Simplified Equivalent Lateral Force Dynamic	Number of Ballasts in Fixture:	
		Architectural, Mechanical, Components anchoreds	Total Wattons and Table James	_ 1
	LIFE SAFETY SYSTEM REQUIREMENTS	Architectural, Mechanical, Components anchored?	Total Wattage per Fixture: Total Interior Wattage Specified vs Allowed (whole building or space by space):	_
	Emergency Lighting: □ No ■ Yes		Total Interior Wattage Specified vs Allowed (whole building or space by space): Total Exterior Wattage Specified vs Allowed:	=
	Emergency Lighting: □ No ■ Yes Exit Signs: □ No ■ Yes Fire Alarm: □ No ■ Yes	LATERAL DESIGN CONTROL: SOIL BEARING CAPACITIES: Field Test (provided copy of test report) Earthquake wind psf.	Total Interia Watrose Specified vs Allowed (whole building or space by space): Total Exterior Wattage Specified vs Allowed: Additional Prescriptive Compliance	=
	Emergency Lighting: □ No ■ Yes Exit Signs: □ No ■ Yes	LATERAL DESIGN CONTROL: Earthquake SOIL BEARING CAPACITIES:	Total Interior Wattage Specified vs Allowed (whole building or space by space): Total Exterior Wattage Specified vs Allowed: Additional Prescriptive Compliance C406.2 More Efficient HVAC Equipment Performance C406.3 Reduced Lighting Power Density	= AU.U.
	Emergency Lighting: □ No ■ Yes Exit Signs: □ No ■ Yes Fire Alarm: □ No ■ Yes Smoke Detection Systems: □ No □ Yes □ Partial	LATERAL DESIGN CONTROL: Earthquake SOIL BEARING CAPACITIES: Field Test (provided copy of test report) Presumptive Bearing Capacity psf.	Total Interior Valtage Specified vs Allowed (whole building or space by space): Total Exterior Wattage Specified vs Allowed: Additional Prescriptive Compliance C406.2 More Efficient HVAC Equipment Performance	date: AUGUST 14, 2020
	Emergency Lighting: □ No ■ Yes Exit Signs: □ No ■ Yes Fire Alarm: □ No ■ Yes Smoke Detection Systems: □ No □ Yes □ Partial	LATERAL DESIGN CONTROL: Earthquake SOIL BEARING CAPACITIES: Field Test (provided copy of test report) Presumptive Bearing Capacity psf.	Total Interia Watrose Specified vs Allowed (whole building or space by space): Total Exterior Wattage Specified vs Allowed: Additional Prescriptive Compliance C406.2 More Efficient HVAC Equipment Performance C406.3 Reduced Lighting Power Density C406.4 Enhanced Digital Lighting Controls	date: AUGUST 14, 2020 commission: 190.0030



























































