



Jeff Landry
GOVERNOR

Office of State Fire Marshal

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Chief Bryan J. Adams
FIRE MARSHAL

PLAN REVIEW REPORT

JARED M. SIMONEAUX JARED SIMONEAUX
71588 JEFFERSON AVENUE
COVINGTON LA 70433

Project Number: **AR-25-017555**
Review Type: **Architectural Review**
Status: **RELEASED**
Date Completed: **11/24/2025**
Code Edition: **2021**

In accordance with L.R.S. 40:1574 et seq., satisfactory compliance with the requirements of the laws, rules, regulations and codes of the state that are entrusted to the State Fire Marshal to uphold must be achieved before any work is performed. As such, a permit shall not be issued or construction or installation of the scope of work identified herein shall not commence until the Status of this review is "Released" and the requirements of other state and local entities have been satisfied.

Project Description: THIS WAS AN EXISTING DOCTORS OFFICE THAT WILL NOW BE A CHILDCARE CENTER			
Project Name: THREE PEAS IN A POD EARLY LEARNING CENTER		Address: 2965 GAUSE BLVD, SLIDELL, LA 70461	
Funding Type: Private Project	Within City Limits? NO	Number of Stories:	High Rise Building:
Occupancy Separation Type:	Total Occupancy Square Feet: 7503	Project on which Floor(s): 1	Construction Type: II-B / II (000)
Additional Features (if applicable): Sprinkler System - 13, Fire Alarm System			

Occupancy Type(s) and Square Feet		
Occupancy Type: Institutional	Square Feet: 7503	Details: INSTITUTIONAL BUILDING TYPE: GROUP I-4 (DAY-CARE); NUMBER OF CHILDREN OVER 2-1/2 YEARS OF AGE: 35; NUMBER OF CHILDREN 2-1/2 YEARS OF AGE OR LESS: 10; NUMBER OF ADULTS: 0

Renovation		
Renovation or Addition:	Alteration Level 3 (more than 50% of the building's physical value), Change in use of the building	
Date of Original Building Construction:	5/18/1989	
Date of Latest Major Renovation to this Building:	4/17/2012	
Existing Square Feet:	Additional Square Feet:	Renovated Square Feet:
7503		7503
Previous Occupancies:	Business	
Generator Installation:		

Facility Licensed By DHH Health Standards Section: **No**

Louisiana State Uniform Construction Code Review	
Review for the LSUCCC performed by: Office of the State Fire Marshal	3rd Party Provider's Registration Number:


Design Loads:	
First Floor Live Loads: 40	Floor Live Loads above the 1st floor: 75
Corridor Live Loads: 100	
Roof Live Loads: 20	Roof (Ground) Snow Loads: 5
Wind Design Data:	
Ultimate Design Wind Speed:	Nominal Design Wind Speed: 110
Risk Category: II	Wind Exposure Category: B
Applicable Internal Pressure Coefficient: 0.18	Comp. & Cladding Wind Pressure: 142
Flood Design Data	
Finish Floor Elevation: N/A	Elevation of Lowest Member: N/A
Flood Zone: N/A	Base Flood Elevation: N/A
Design Flood Elevation: N/A	Adjusted Base Flood Elevation: N/A

Individuals Involved in this Project		
Name:	Role:	Address:
JARED M. SIMONEAUX	Professional of Record (A-7731)	71588 JEFFERSON AVENUE, COVINGTON, LA 70433
MELISSA FALLS	Owner	2965 GAUSE BLVD., SLIDELL, LA 70461

Changes that are inconsistent with the reviewed documents are not authorized unless reviewed by this office for compliance with adopted codes, rules and laws. The changes must be submitted to this office by the Professional of Record where required by law, otherwise by the Owner, for review prior to construction and inspection. Minor changes may be submitted as supplemental information amended to this assigned project number. Changes that alter the scope of work, or that otherwise will require another full review of the project, will require a complete resubmittal of the entire scope of work with application, revised plans, and applicable review fee.

This review shall in no way permit or authorize any omissions or deviations from the specific requirements of the adopted codes, rules and regulations of the state. Construction permits must be issued or installation must commence within 180 days from the date of the "Released" Status for this submittal.

Occupancy of the project will not be permitted until a satisfactory inspection of the completed construction has been made by this office. Please allow at least two (2) weeks advanced notice to schedule inspections.

Review Completed By	
Signature:	
Name: Jeff Gonsoulin	Badge No.: 694

Distribution List		
Name	Firm Name	Role
ST TAMMANY FIRE PROTECTION DISTRICT NO 1*		Fire Prevention Bureau
CITY OF SLIDELL*		

Cautionary Codes

The items listed below are comments for informational purposes or identified requirements that will be verified upon final inspection by this office. These requirements need not be addressed back to the reviewer, however should be addressed prior to construction and inspection scheduling. Failure to comply with or otherwise address these items may affect final occupancy and use of the structure.

- 1 Scope of Work:
This review includes a day-care occupancy.
NOTE: The maximum capacity for purposes of this review is 116 persons.
- The occupant capacity identified herein is a maximum and is used by this office for determining egress capacity and fire safety compliance. The final occupant capacity will be established by the Louisiana Department of Education (DOE), Division of Licensing. Plans shall be resubmitted for further review, if the DOE licensing capacity exceeds this.
- THE SPRINKLER SYSTEM IS REQUIRED TO BE SUBMITTED TO THIS OFFICE FOR SEPARATE SHOP DRAWING REVIEW.
THE FIRE ALARM SYSTEM IS REQUIRED TO BE SUBMITTED TO THIS OFFICE FOR SEPARATE SHOP DRAWING REVIEW.
- 2 FIRE PROTECTION SYSTEMS:
- 2.1 101:16.3.5 and/or IBC 903 Provide supervised automatic sprinkler protection in accordance with 101:9.7.2.
- LRS 40:1574 Submit automatic sprinkler system shop drawings ON-LINE at <https://lasfm.louisiana.gov/>. Such work shall not commence until shop drawings have been found to be in compliance with applicable codes by this office. LINK the associated "AR" (architectural project) submittal, or reference it in the PROJECT NAME.
- Note: See Interpretive Memorandum 2013-03 for submittal requirements.
- (...AN AUTOMATIC SPRINKLER SYSTEM IS REQUIRED TO BE INSTALLED THROUGHOUT THE BUILDING.)**
- 2.2 101: Provide sprinkler system "supervision" in accordance with NFPA 101:9.7.2.
- 2.3 101:16.3.4 and IBC 907 Provide a fire alarm system in accordance with Section 9.6 and IBC 907.5. In facilities required to be fully accessible, alarm notification shall be by both audible and visual means in accordance with NFPA 72.
- LRS 40:1574 Submit fire alarm system shop drawings ON-LINE at <https://lasfm.louisiana.gov/>. Such work shall not commence until shop drawings have been found to be in compliance with applicable codes by this office. LINK the associated "AR" (architectural project) submittal, or reference it in the PROJECT NAME.
- (...A FIRE ALARM SYSTEM IS REQUIRED TO BE INSTALLED THROUGHOUT THE BUILDING.)**
- 2.4 101:16.3.4.5(1) Provide a smoke detection system in accordance with Section 9.6 with detectors on each story in front of doors to the stairways and in the corridors of all floors occupied by the day-care occupancy.
- (...SMOKE DETECTION IS REQUIRED AS PART OF THE FIRE ALARM SYSTEM.)**
- 2.5 101:16.3.4.5(2) Provide a smoke detection system in accordance with Section 9.6 with detectors in lounges, recreation areas and sleeping rooms in the day-care occupancy.
- (...SMOKE DETECTION IS REQUIRED AS PART OF THE FIRE ALARM SYSTEM.)**
- 2.6 IBC 915.1 Provide carbon monoxide detection in accordance with this section and NFPA 720 at facilities classified as Group I-1, I-2, I-4 and R occupancies and in classrooms in Group E in accordance with Sections 915.1 through 915.6. Carbon monoxide detection shall be provided at locations indicated in Section 915.2.
- (...CARBON MONOXIDE DETECTION IS REQUIRED DUE TO GAS-FUELED HVAC UNIT(S).)**
- 2.7 LAC 55:V:303.E Provide listed portable fire extinguishers in accordance with NFPA 10. (Refer to Appendix E for distribution information.)
Classification:
- Class A fires: fires in ordinary combustible materials, such as wood, cloth, paper, rubber and many plastics. Travel distance to a fire extinguisher shall not exceed 75 feet.
- Class B fires: fires in flammable liquids, combustible liquids, petroleum greases, tars, oils, oil-based paints, solvents, lacquers, alcohols and flammable gases. Travel distance to a fire extinguisher shall not exceed 30 feet for Class B fires (liquids). (May be increased to 50 feet for Light (low) Hazard fires with 10-B extinguisher, for Ordinary (moderate) Hazard fires with 20-B extinguisher, and for Extra (high) Hazard fires with 80-B extinguisher). See Table 10:6.3.1.1.
- Class C fires: fires that involve energized electrical equipment. Travel distance to a fire extinguisher shall not exceed 75 feet.
- Class D fires: fires in combustible metals. Travel distance to a fire extinguisher shall not exceed 75 feet.
- Class K fires: fires in cooking appliances that involve combustible cooking media (vegetable or animal oils and fats.) Travel distance to a fire extinguisher shall not exceed 30 feet for Class K fires (cooking appliances). See NFPA 10:6.6.
- 2.8 Residential cooking equipment in WARMING KITCHEN shall only be used for warming or limited cooking that produces no grease-laden vapors. Otherwise, cooking equipment shall be protected in accordance with NFPA 96. (See NFPA 96:1.1.5 and ANNEX statement A.1.1.5). (NOTE: Type "K" portable fire extinguishers shall NOT be installed in areas housing electrical cooking appliances, unless the appliance electrical system is shunted upon activation of an approved hood suppression system).

3	<p>BUILDING CONSTRUCTION and COMPARTMENTATION:</p> <p>3.1 IBC 504: The proposed construction APPEARS TO BE WITHIN the allowable height and area limitations of Tables 504.3, 504.4, and 506.2.</p> <p>3.2 Wood used in Type I or Type II construction shall be limited to the conditions specified in IBC Section 603.1 and shall be fire-retardant-treated.</p> <p>3.3 101:14.3.6 Separate corridors in fully sprinklered buildings from use areas with minimum smoke partitions complying with NFPA 101:8.4, having self-closing, or automatic-closing, doors for openings serving all spaces except normally occupied classrooms.</p>
	<p>(...CORRIDORS WALLS ARE REQUIRED TO BE CONSTRUCTED AS SMOKE PARTITIONS [TO RESTRICT THE PASSAGE OF SMOKE].)</p>
4	<p>101:16.3.2 Separate LAUNDRY ROOM from other parts of the building by 1 hour fire resistive construction with self-closing 45 minute labeled door/frame assembly in accordance with Section 8.7.1 WITHOUT WINDOWS, -AND- provide automatic sprinkler protection in accordance with Section 9.7.</p> <p>(...IF THE CLOTHES WASHER / DRYER ARE DOMESTIC TYPE, THEN PROTECTION FROM HAZARDS IS NOT REQUIRED; HOWEVER, IF THE WASHER / DRYER ARE COMMERCIAL TYPE, THEN PROTECTION FROM HAZARDS IS REQUIRED. PLEASE, CLARIFY TYPE OF LAUNDRY MACHINES.)</p> <p>(*UPDATE: IT IS ASSUMED THAT THE TWO LAUNDRY MACHINES SHOWN ARE RESIDENTIAL TYPE.)</p>
5	<p>MEANS OF EGRESS:</p> <p>5.1 101:16.2.9 and IBC 1008 Provide emergency lighting according to 101:7.9 and IBC 1008.3, including exit discharge (exterior).</p> <p>5.2 101:16.2.10 and IBC 1013 Exit signs complying with 101:7.10 and IBC 1013 shall define exits and access to exits where the exit is not immediately apparent.</p>
6	<p>EGRESS DOORS:</p> <p>6.1 101:7.2.1.2.3.2, 101:7.1.5.1, and IBC 1010.1.1 A doorway in a means of egress shall provide at least 32" in clear width (consider installing 36" wide doors) and at least 6'-8" in nominal height. Where a pair of doors is provided, at least one leaf shall comply with clear width requirement.</p> <p>6.2 101:7.2.1.3 and IBC 1010.1.4 through 1010.1.6 Provide level landings outside exterior doors that are within 1/2" of the interior finish floor elevation.</p> <p>6.3 101:16.2.2.2.2 and IBC 1010.2.9 Doors in a required means of egress shall NOT be equipped with a latch or lock other than panic hardware or fire exit hardware, under the following conditions;</p> <ul style="list-style-type: none"> - Areas in GROUP I-4 day-care facilities having an occupant load of 100 or more persons <p>(...ENSURE THAT EXIT DOORS ARE REQUIRED WITH PANIC HARDWARE.)</p> <p>6.4 101:16.2.2.2.4 Door latches to closets, storage areas, kitchens and other similar spaces or areas shall be such that clients can open them from inside the space or area.</p> <p>6.5 101:16.2.2.2.5 Bathroom door locks shall permit opening from the outside in an emergency. The opening device shall be readily accessible to the staff.</p>
7	<p>INTERIOR INSULATION and FINISHES:</p> <p>7.1 LAC 55:305 Insulation and insulation assemblies shall meet the requirements of Section 720, International Building Code, 2021 Edition.</p> <ul style="list-style-type: none"> - Concealed and exposed insulation shall have a flame spread of 0-25 and a smoke developed of 0-450 in accordance with IBC 720. - Cellulose fiber thermal insulation shall meet the requirements of paragraph IBC 720. <p>Foam Plastic Insulation shall meet the requirements of IBC 2603, and NFPA 101:10.2.4.3.</p> <ul style="list-style-type: none"> - Foam plastic shall have a flame spread of 0-25 and a smoke developed of 0-450 where tested in accordance with the provisions of IBC 2603.3 and NFPA 101:10.2.4.3. <p>Thermal barriers shall protect foam plastic insulation in accordance with IBC 2603.4.</p> <ul style="list-style-type: none"> - Intumescent coatings used as an alternative to the thermal barrier required over foam plastic insulation shall be approved by this office prior to installation. Provide evaluation report(s) for review that document test results in accordance with the provisions of IBC 2603.9 and NFPA 101:10.2.4.3 as a complete assembly. - Approved alternative thermal barrier coatings shall be tested on the foam plastic insulation product proposed and listed as a complete assembly related to actual end-use configuration. Such coatings shall be applied to the thickness indicated by the evaluation report. <p>Ignition barrier assemblies or other intumescent coatings tested in accordance with provisions other than those referenced by IBC 2603.9 are NOT an acceptable alternative to the thermal barrier.</p> <ul style="list-style-type: none"> - Alternative Ignition barriers complying with IBC 2603.4.1.6 may protect foam plastic insulation used in attics or crawl spaces, where entry is made only for service of utilities, in lieu of the thermal barrier.
8	<p>101:9.2.2 Gas-fired equipment (furnaces, space heaters, water heaters, etc.) shall be U.L. listed for its intended use and shall be installed and vented in accordance with NFPA 54.</p>

- 8.1 101:9.2.1 and IMC 606.2.1 Install smoke detectors to automatically stop the fan in supply and return HVAC duct systems over 2000 cfm in accordance with NFPA 90A:6.4.2(1) and IMC 606.2.1.
- Where fire alarm system is required, duct detectors shall be connected to building alarm system.
 - NFPA 90A:6.4.4.3 Where smoke detectors required by Section 6.4 are installed in a building NOT equipped with an approved protective signaling system, provide the following:
 - The smoke detector activation required by Section 6.4 shall cause a visual AND an audible signal in a normally occupied area, and;
 - Smoke detector trouble conditions shall be indicated visually OR audibly in a normally occupied area and shall be identified as air duct detector trouble.
- Provide a remote alarm indicator/annunciator in accordance with NFPA 72:17.4.8 for these conditions.
- 8.2 101:9.2.2 Gas-fired equipment (furnaces, space heaters, water heaters, etc.) shall be U.L. listed for its intended use and shall be installed and vented in accordance with NFPA 54.

9

ACCESSIBILITY FEATURES:

- 9.1 LRS 40:1731-(Effective 10/01/11) Provide access for persons with disabilities in accordance with the ADA-ABA Accessibility Guidelines, July 23, 2004 (also known as the 2010 Standards). This does not include a review for compliance with the Federal Americans with Disabilities (Civil Rights) Act of 1990. Compliance with state regulations and requirements does not guarantee compliance with federal law. NOTE: As per ADA-ABA 2004, Section F103, Office of State Fire Marshal equivalency determinations are not valid for facilities that are designed, constructed, altered, or operated with federal funds, or leased by a federal agency. The authority having jurisdiction over such appeals is the administrator of the General Services Administration (GSA). Particular observations and paragraph references are noted as follows:
- 9.2 ADA-ABA:208 Provide accessible parking spaces. One of every 6 accessible spaces but not less than one shall be "Van Accessible" (96" wide space plus 96" wide aisle OR 132" wide space plus 60" wide aisle) as per section 502. And as per Section 216.5 provide signage at accessible parking as per Section 502 where there are 5 or more parking spaces on a site.
- ADA-ABA:502.6 Signs identifying van parking spaces shall contain the designation "van accessible" and shall be mounted 60" minimum above the finish floor or ground surface measured to the bottom of the sign.
- (...ENSURE THAT AT LEAST ONE OF THE ADA PARKING SPACES IS IDENTIFIED AND SIZED TO COMPLY WITH VAN ACCESSIBLE PARKING SPACE REQUIREMENTS.)**
- 9.3 ADA-ABA:604.1 Water closets and toilet compartments shall comply with 604.2 through 604.8 and 603 as follows:
- 604.2 The centerline of the water closet shall be 16 inches minimum to 18 inches maximum from the nearest adjacent wall (17 inches minimum to 19 inches maximum in an ambulatory accessible toilet compartment specified in 604.8.2).
 - 604.3.1 Provide a clearance around the water closet that complies with Figure 604.3.1. Clearance around a water closet shall be 60 inches minimum measured perpendicular from the side wall and 56 inches minimum measured perpendicular from the rear wall. (NOTE: As per 604.3.2 No other fixtures or obstructions shall be located within the required water closet clearance.)
 - 603.2.1 Provide a 5' turning radius or T-shaped turning space complying with 304 within the room (located outside of any stalls and clear of all fixtures.)
 - 604.4 The seat height above the finish floor shall be 17" minimum to 19" maximum to the top of the seat.
 - 604.5 Grab bars for water closets shall comply with 609. (Provide a 42" long grab bar adjacent to the toilet and a 36" long grab bar behind the toilet.)
 - 604.6 Flush controls shall be located on the open side of the water closet.
 - 604.7 Toilet paper dispensers shall comply with Figure 604.7.
 - 604.8 Wheelchair accessible toilet compartments shall meet the requirements of 604.8.1 through 604.8.3 as follows:
 - 604.8.1 Wheelchair Accessible Compartments
 - 604.8.1.1 Wheelchair compartments shall be sized in accordance with Figure 604.8.1.1.
 - 604.8.1.2 Toilet compartment doors, including hardware, shall comply with Section 404 and located in accordance with Figure 604.8.1.2.
 - 604.8.1.3 Compartments shall be arranged for a left-hand or right-hand approach to the water closet.
 - 604.8.1.4 Provide toe clearance in accordance with Figure 604.8.1.4.
 - 604.8.1.5 Grab bars shall comply with Section 609. (Provide a 42" long grab bar adjacent to the toilet and a 36" grab bar behind the toilet.)
- ADA-ABA:604.1 Water closets and toilet compartments for children's use shall be permitted to comply with 604.9.
- (...NEW MULTIPLE USER RESTROOM IS REQUIRED TO BE ADA COMPLIANT.)**
- (*UPDATE: REVISED DRAWING SHOWS RESTROOM TO BE ADA COMPLIANT.)**
- 9.4 ADA-ABA:606.1 Lavatories in toilet rooms shall comply with the following:
- 606.2 Provide a clear floor space complying with 305, positioned for a forward approach, and knee and toe clearance complying with 306 shall be provided.
 - 606.3 Lavatories and sinks shall be installed with the front of the higher of the rim or counter surface 34 inches maximum above the finish floor or ground.
 - 606.4 and 309 Controls for faucets shall not require tight grasping, pinching, or twisting of the wrist.
 - 606.5 Water supply and drain pipes shall be insulated or covered.
- 9.5 ADA-ABA:216.2 Where signage identifies permanent rooms or spaces OR EXITS, the signage shall comply with Sections 703.1 - 703.5 (raised characters, Braille, visual characteristics, height).

	9.6 ADA-ABA:303 Thresholds shall comply with requirements of this section regarding changes in level. (Not more than 1/2" height and beveled if over 1/4")
	9.7 ADA-ABA:404.2.7 Handles, pulls, latches, locks, and other operable parts on doors and gates shall comply with 309.4. Hardware shall not require tight grasping, tight pinching, or twisting of the wrist to operate.
10	<p>NOTE: THE FOLLOWING IS A REVIEW FOR COMPLIANCE WITH THE REQUIREMENTS OF THE LOUISIANA STATE UNIFORM CONSTRUCTION CODE (LSUCC). THIS PORTION OF THE REVIEW IS PERFORMED AT THE REQUEST OF, AND ON BEHALF OF THE JURISDICTION IN WHICH THIS PROPOSED PROJECT IS LOCATED. This office will not be responsible for inspections to certify compliance with applicable requirements. Contact the local Building Official or a Louisiana State Uniform Construction Code Council certified third-party provider to arrange for inspections.</p> <p>Codes Referenced: 2021 International Building Code (IBC) not including Chapters 1, 11, 27, and 29 with Louisiana Amendments; 2021 International Existing Building Code (IEBC) not including Chapter 1; 2021 International Mechanical Code (IMC); 2021 International Plumbing Code (IPC) with Louisiana Amendments; 2021 International Fuel Gas Code (IFGC); 2020 National Electric Code (NEC); 2021 International Energy Conservation Code (IECC).</p>
11	BUILDING PLANNING:
	11.1 - Classification of Work: The scope of work is classified as Alteration-Level 3 per IEBC Section 901.
12	INTERIOR ENVIRONMENT:
	12.1 Toilet and bathing room floors shall have a smooth, hard, nonabsorbent surface that extends upward onto the walls not less than 4 inches per IBC Section 1210.2.1.
	12.2 Walls within 2 feet of urinals and water closets shall have a smooth, hard, nonabsorbent surface, to a height of 4 feet above the floor, and except for structural elements, the materials used in such walls shall be of a type that is not adversely affected by moisture per IBC Section 1210.2.2.
13	STRUCTURAL:
	(...THE BUILDING STRUCTURE IS EXISTING.)
14	CONSTRUCTION MATERIALS:
	14.1 Each pane of glazing shall bear the manufacturer's mark designating the type and thickness of the glass or glazing material, or submit an affidavit by the glazing contractor certifying that each light is glazed in accordance with approved construction documents that comply with the provisions of IBC Chapter 24.
	14.2 Individual glazed areas, including glass mirrors, in hazardous locations as defined in Section 2406.4 shall comply with IBC Sections 2406.1.1 through 2406.1.4.
	14.3 Each pane of safety glazing installed in hazardous locations shall be identified in accordance with IBC Section 2406.3.
15	MECHANICAL SYSTEMS:
	15.1 The minimum ventilation rate of outdoor air shall be determined in accordance with IMC Section 403.3.
	15.2 Air distribution, ventilation and exhaust systems shall be provided with means to adjust the system to achieve the design airflow rates and shall be balanced by an approved method. Ventilation air distribution shall be balanced by an approved method and such balancing shall verify that the air distribution system is capable of supplying and exhausting the airflow rates required by Chapter 4.
	15.3 Local exhaust systems shall be provided in kitchens, bathrooms and toilet rooms and shall have the capacity to exhaust the minimum airflow rate determined in accordance with Table 403.3.2.3.
	15.4 Provide at least 50 cfm continuous exhaust airflow, or 70 cfm intermittent exhaust airflow, per water closet or urinal at toilet rooms per IMC Table 403.3.1.1.
	(...AT NEW MULTI-USER RESTROOM, 110 CFM EXHAUST FAN SHOWN FOR 3 WATER CLOSETS. ENSURE THAT EXHAUST FAN COMPLIES WITH MINIMUM CODE REQUIREMENTS.)
	15.5 Commercial kitchen exhaust hoods shall comply with the requirements of IMC Section 507.
	15.6 Makeup air shall be supplied during the operation of commercial kitchen exhaust systems that are provided for commercial cooking appliances. The amount of makeup air supplied shall be approximately equal to the amount of exhaust air. The makeup air shall not reduce the effectiveness of the exhaust system. For mechanical makeup air systems, the exhaust and makeup air systems shall be electrically interlocked to insure that makeup air is provided whenever the exhaust system is in operation, per IMC 508.1.
	15.7 Flexible air ducts, both metallic and nonmetallic, shall comply with IMC Sections 603.6.1, 603.6.1.1, 603.6.3 and 603.6.4. Flexible air connectors, both metallic and nonmetallic, shall comply with IMC Sections 603.6.2 through 603.6.4.

15.8	<p>Duct insulation shall conform to the requirements of IMC Sections 604.2 through 604.13, IECC Section 501.1, and ANSI/ASHRAE/IESNA 90.1-2004, per IMC.</p> <ul style="list-style-type: none"> - Supply and return ducts and plenums installed in exterior locations, ventilated attics, and unvented attics above insulated ceilings shall be thermally insulated with minimum R-6 insulation on the supply side and minimum R-3.5 insulation on the return side, per ANSI/ASHRAE/IESNA 90.1-2004 Table 6.8.2B. - Supply and return ducts and plenums installed in unvented attics with roof insulation and in unconditioned spaces, (including crawl spaces, both ventilated and nonventilated), shall be thermally insulated with minimum R-3.5 insulation on the supply side. No minimum R-value is required on the return ducts, per ANSI/ASHRAE/IESNA 90.1-2004 Table 6.8.2B.
16	<p>PLUMBING SYSTEMS:</p>
16.1	<p>Plumbing shall comply with the requirements of R.S. 40:1730.26 and R.S. 40:1730.28 in accordance with the 2021 International Plumbing Code with Louisiana Amendments.</p>
16.2	<p>Required testing shall be in accordance with IPC Sections 312.2 through 312.10 with Louisiana amendments.</p>
16.3	<p>Provide at least the minimum type(s) of rest room plumbing fixtures provided for in IPC Section 403. Required facilities shall be directly accessible to the public through direct openings or corridors from the area(s) they serve.</p>
	<p>THE FOLLOWING NUMBER OF FIXTURES ARE REQUIRED: WATER CLOSETS REQUIRED: 1 per 15 116 OCCUPANTS = 8 WATER CLOSETS REQUIRED / 9 WATER CLOSETS PROVIDED</p>
	<p>LAVATORIES REQUIRED: 1 per 15 116 OCCUPANTS = 8 LAVATORIES REQUIRED / 9 LAVATORIES PROVIDED</p>
	<p>DRINKING FOUNTAINS: 1 per 100 116 OCCUPANTS = 2 DRINKING FOUNTAINS REQUIRED / 0 DRINKING FOUNTAINS PROVIDED (...DRINKING FOUNTAINS NOT SHOWN ON DRAWINGS)</p>
	<p>SERVICE SINKS: 1 service sink REQUIRED / 1 SERVICE SINK PROVIDED</p>
	<p>3-COMPARTMENT SINK: 1 REQUIRED / 1 PROVIDED</p>
	<p>(...DRINKING FOUNTAINS ARE REQUIRED AND ARE NOT SHOWN ON THE DRAWINGS. NOTE: Where restaurants, daycare centers, bars, lounges, taverns occupancies provide drinking water in a container free of charge, drinking fountains shall not be required in those occupancies. PLEASE, CLARIFY HOW THIS REQUIREMENT WILL BE ADDRESSED.)</p> <p>(*UPDATE: REVISED DRAWING SHOWS DOUBLE-HEIGHT DRINKING FOUNTAINS PROVIDED IN LUNCH HALL.)</p>
16.4	<p>IPC 403.6.2 In child day care facilities, a hand washing sink shall be in or adjacent to each diaper changing area. In addition, one extra laundry tray, service sink, or similar fixture is required to clean and sanitize toilet training potties immediately after each use. Such fixture shall be dedicated solely for this purpose and shall not be in the food preparation/storage, utensil washing, or dining areas.</p>
	<p>(...PROVIDED AS REQUIRED AT INFANT ROOMS.)</p>
16.5	<p>IPC 403.6.1 The food preparation area in pre-schools, day cares, and residential facilities shall meet the following requirements:</p> <ul style="list-style-type: none"> - The food preparation, storage and handling where six or less individuals are cared for shall provide a two-compartment sink and an approved domestic type dishwasher. - Where the number of individuals cared for is between 7 and 15, either a three-compartment sink, or an approved domestic or commercial type dishwashing machine and a two-compartment sink with hot and cold running water shall be provided. - Where 16 or more individuals are cared for, a three-compartment sink must be provided. If a dishwasher is also utilized in these instances (16 or more individuals), it must be a commercial type and it shall be in addition to the required three-compartment sink. One laundry tray, service sink, or curbed cleaning facility with floor drain shall also be provided on the premises for cleaning of mops and mop water disposal (for facilities caring for 16 or more individuals).
16.6	<p>IPC 403.6.2 In child day care facilities, training potties shall not be counted as toilets in determining the minimum fixture requirements of Table 403.1. Fixtures shall be size appropriate for the age of the children being cared for (toilets 11 inches maximum height and lavatories 22 inches maximum height), or if standard size fixtures are used, safe, cleanable step aids shall be provided.</p>
16.7	<p>IPC 406.1 The water supply to an automatic clothes washer shall be protected against backflow by an air gap installed integrally within the machine or with the installation of a backflow preventer in accordance with Section 608.</p>
16.8	<p>IPC 406.2 The waste from an automatic clothes washer shall discharge through an air break into a standpipe in accordance with Section 802.4 or into a laundry sink. The trap and fixture drain for an automatic clothes washer standpipe shall be not less than 2 inches (51 mm) in diameter. The fixture drain for the standpipe serving an automatic clothes washer shall connect to a 3-inch (76 mm) or larger diameter fixture branch or stack. Automatic clothes washers that discharge by gravity shall be permitted to drain to a waste receptor or an approved trench drain.</p>

16.9	<p>IPC 410.3.1 Where drinking fountains are required, not fewer than two drinking fountains shall be provided. One drinking fountain shall comply with the requirements for people who use a wheelchair and one drinking fountain shall comply with the requirements for standing persons.</p> <p>Exception: A single drinking fountain that complies with the requirements for people who use a wheelchair and standing persons shall be permitted to be substituted for two separate drinking fountains.</p>
16.10	<p>IPC 410.6 Drinking fountain fixtures shall provide a minimum requirement of 18 inches of separation from its water outlet (spigot) to any source of contamination. Combination sink/drinking fountain units shall provide a minimum of 18 inches between the drinking fountain water outlet (spigot) and the nearest outside rim of the sink bowl [or other source(s) of contamination].</p> <p>Exceptions:</p> <ul style="list-style-type: none"> - This 18 inch minimum separation may only be reduced by the use of a vertical shield made of a smooth, easily cleaned surface that is attached flush with the top surface of the unit and extends to a distance at least 18 inches in height above the drinking fountain water outlet (spigot) level. - Combination sink/drinking fountain units which share the same sink bowl are prohibited except in individual prison cells.
16.11	<p>IPC 413.2 Provide removable strainers at ALL floor drains. Construction of drain shall be such that they are capable of being cleaned. Access shall be provided to drain inlets and floor drains.</p>
16.12	<p>IPC 413.3 Floor drains shall have a drain outlet not less than 2 inches in diameter.</p>
16.13	<p>IPC 412.5 A floor drain shall be required in public toilet rooms, excluding hotel/motel guest rooms or patient rooms of a hospital or nursing home.</p> <ul style="list-style-type: none"> - LRS 40:1730.28.2.A(3) Floor drains and traps shall be equipped with an approved trap primer to maintain the water seal in accordance with IPC 1002.4.1.
16.14	<p>IPC 422.4 Dedicated handwash sinks shall be located to permit convenient use by all employees in food processing, food preparation, and other food handling areas.</p>
16.15	<p>IPC 422.4 A hand washing sink may not be used for purposes other than hand washing.</p>
16.16	<p>IPC 422.4 Sinks used for food preparation or for washing and sanitizing of equipment and utensils shall not be used for hand washing.</p>
16.17	<p>IPC 425.2 Water closet bowls for public or employee toilet facilities shall be of the elongated type.</p>
16.18	<p>IPC 425.3 Water closets shall be equipped with seats of smooth, nonabsorbent material. All seats of water closets provided for public or employee toilet facilities shall be of the hinged open-front type. Integral water closet seats shall be of the same material as the fixture. Water closet seats shall be sized for the water closet bowl type.</p>
16.19	<p>IPC 425.4 Water closet connections. A 4-inch by 3-inch (102 mm by 76 mm) closet bend shall be acceptable. Where a 3-inch (76 mm) bend is utilized on water closets, a 4-inch by 3-inch (102 mm by 76 mm) flange shall be installed to receive the fixture horn.</p>
16.20	<p>IPC 425.2 Flushometer valves and tanks shall comply with ASSE 1037 or CSA B125.3. I Vacuum breakers on flushometer valves shall conform to the performance requirements of ASSE 1001 or CSA B64. 1.1. Flushometer valves shall be equipped with an approved vacuum breaker. Flushometer valves shall be of the water conservation type and shall not be used where the water pressure is lower than the minimum required for normal operation. When operated, the valve shall automatically complete the cycle of operation, opening fully and closing positively under the water supply pressure. Each flushometer valve shall be provided with a means for regulating the flow through the valve. The trap seal to the fixture shall be automatically refilled after each flushing cycle.</p>
16.21	<p>IPC 605.2.1 All potable water pipes, fittings, valves, and fixtures used to provide water for human consumption shall be lead free and shall be evaluated and listed as conforming with NSF/ANSI 372. Any solder or flux which is used in the installation or repair of any public water system or any plumbing in a residential or nonresidential facility providing water for human consumption shall be lead free.</p> <p>The lead-free requirement above shall not apply to:</p> <ul style="list-style-type: none"> - leaded joints necessary for the repair of existing cast iron pipes; - fire hydrants, pipes, pipe fittings, plumbing fittings, or fixtures, including backflow preventers, that are used exclusively for nonpotable services such as manufacturing, industrial processing, irrigation, outdoor watering, or any other uses where the water is not anticipated to be used for human consumption; or - toilets, bidets, urinals, fill valves, flushometer valves, tub fillers, shower valves, service saddles, or water distribution main gate valves that are 2 inches in diameter or larger.
17	<p>FUEL GAS:</p>
17.1	<p>All piping installed outdoors shall be elevated not less than 3-1/2 inches above ground and where installed across roof surfaces, shall be elevated not less than 3-1/2 inches above the roof surface, per IFG Section 404.9. Piping shall be securely supported and protected in accordance with this section.</p>
17.2	<p>Prior to acceptance and initial operation, all piping installations shall be inspected and pressure tested in accordance with IFGC Section 406.</p>
17.3	<p>Piping systems shall be provided with shutoff valves, flow controls, and overpressure protection devices in accordance with IFGC Sections 409, 410 and 416.</p>
18	<p>ELECTRICAL SYSTEMS:</p>
18.1	<p>NEC:210.63 A 125-volt, single-phase, 15- or 20-ampere-rated receptacle outlet shall be installed at an accessible location for the servicing of heating, air-conditioning, and refrigeration equipment. The receptacle shall be located on the same level and within 25 ft of the heating, air-conditioning, and refrigeration equipment. The receptacle outlet shall not be connected to the load side of the equipment disconnecting means.</p>

18.2	NEC:334.12 Types NM and NMC cables shall not be permitted to be exposed in dropped or suspended ceilings.
18.3	NEC:440.12 Provide a disconnecting means for air-conditioning and refrigerating equipment.
18.4	<p>NEC 210.8(B) Other Than Dwelling Units. Provide GFCI protection for personnel at ALL 125-volt through 250-volt receptacles supplied by single-phase branch circuits rated 150 volts or less to ground, 50 amperes or less, and ALL receptacles supplied by three-phase branch circuits rated 150 volts or less to ground, 100 amperes or less, installed in the following locations specified in 210.8(B)(1) through 210.8(B)(12):</p> <ul style="list-style-type: none"> - Bathrooms - Kitchens or areas with a sink and permanent provisions for either food preparation or cooking - Rooftops - Outdoors - Sinks where receptacles are installed within 6 ft of the top inside edge of the bowl of the sink - Indoor damp and wet locations - Locker rooms with associated showering facilities - Garages, accessory buildings, service bays, and similar areas other than vehicle exhibition halls and showrooms - Crawl spaces – at or below grade level - Unfinished areas of basements - Laundry areas - Bathtubs and shower stalls – where receptacles are installed within 6 ft of the outside edge of the bathtub or shower stall
18.5	<p>NEC 210.8(D) Unless GFCI protection is provided in accordance with 422.5(B)(3) through (B)(5), the outlets supplying the appliances specified in 422.5(A) shall have GFCI protection in accordance with 422.5(B)(1) or (B)(2).</p> <p>Where the appliance is a vending machine as specified in 422.5(A)(5) and GFCI protection is not provided in accordance with 422.5(B)(3) or (B)(4), branch circuits supplying vending machines shall have GFCI protection in accordance with 422.5(B)(1) or (B)(2).</p>
18.6	<p>NEC 422.5(B) The GFCI shall be readily accessible, listed, and located in one or more of the following locations:</p> <ul style="list-style-type: none"> - Within the branch-circuit overcurrent device - A device or outlet within the supply circuit - An integral part of the attachment plug - Within the supply cord not more than 300 mm (12 in.) from the attachment plug - Factory installed within the appliance
18.7	<p>NEC 422.5(A) Appliances identified in 422.5(A)(1) through (A)(7) rated 150 volts or less to ground and 60 amperes or less, single- or 3-phase, shall be provided with Class A GFCI protection for personnel. Multiple Class A GFCI protective devices shall be permitted but shall not be required.</p> <ul style="list-style-type: none"> - Automotive vacuum machines - Drinking water coolers and bottle fill stations - Cord-and-plug-connected high-pressure spray washing machines - Tire inflation machines - Vending machines - Sump pumps - Dishwashers
19	INTERNATIONAL ENERGY CONSERVATION CODE:
19.1	LRS 40:1730.28.5- The documentation provided for the subject facility appears to comply with the International Energy Conservation Code, 2021 edition.
20	GENERAL COMMENTS:
20.1	LRS 40:1664.4 All work and inspections of fire alarm, fire suppression, automatic sprinkler and fire extinguishing systems or portable fire extinguishers shall be performed by a State of Louisiana certified agent.
20.2	101:4.6.1.4, LRS 40:1574.1.C.(1) and LRS 37:155 Shop drawings for fire protection systems, such as Fire Alarm, Sprinklers, and Suppression Systems, that are required to be submitted to this office for review, shall be reviewed and approved by the responsible "Professional of Record's" (POR = Architect / Engineer) office. The shop drawings shall be stamped with the POR's "Shop Drawing Review Stamp" or equivalent, indicating that shop drawings have been reviewed for conformance with plans, specifications, and appropriate codes before uploading them to the online system OR electronic certification through the OSFM-IMS online portal is acceptable.