

---

**INDUSTRIALIZED BUILDING PLAN REVIEW CHECKLIST for compliance with the  
LOUISIANA STATE UNIFORM CONSTRUCTION CODE**

---

Act 364 of the Louisiana 2007 Regular Session, requires Industrialized Buildings that are constructed after January 1, 2007, that are intended for sale or use in Louisiana, to meet or exceed the requirements of the Louisiana State Uniform Construction Code (LSUCC), R.S. 40:1730.21 through 1730.39, as well as the life safety, accessibility and energy codes, rules and laws enforced by the Office of the State Fire Marshal, R.S. 40:1574 through R.S. 40:1593.

Prior to manufacture, plans and specifications for each industrialized building, module, and/or modular component are required to be submitted to the Office of the State Fire Marshal, Division of Code Enforcement and Building Safety, for review for compliance with all codes, rules and laws that are enforced by the Office of the State Fire Marshal. Plan review for compliance with the Louisiana State Uniform Construction Code (LSUCC) will be performed by this office, unless performed by a third party provider that is properly registered with the Louisiana State Uniform Construction Code Council for the particular scope of work.

The information outlined in this document represents the minimum criteria necessary for this office to determine compliance with the LSUCC. Please note that this list is not comprehensive or all-inclusive and does not address all aspects of every building type. In order to ensure that the proposed projects can be expeditiously reviewed, the requirements of the LSUCC should be addressed in the documents submitted for review. Applicable codes for new construction of Industrialized Buildings are as follows:

- **2009 International Building Code (IBC), (excluding Chapters 1, 11, 27, and 29);**
- **2009 International Mechanical Code (IMC);**
- **2000 Louisiana State Plumbing Code (LSPC);**
- **2009 International Fuel Gas Code (IFGC);**
- **2008 National Electric Code (NEC).**

Drawings and specifications shall also document compliance with the Louisiana Revised Statutes (LRS, see Fire Marshal's Act on our web site at [www.dps.state.la.us/sfm](http://www.dps.state.la.us/sfm)), the Life Safety Code (NFPA 101) and all promulgated National Fire Codes, the Americans with Disabilities Act Accessibility Guideline (see ADA-AG, under Codes/Rules/Laws on our web site), ANSI A117.1, the Fair Housing Act, the Commercial Building Energy Conservation Code, (L.R.S. 40:1730.41 through 1730.48), the Architects Licensing Law, (L.R.S. 37:155), the Engineers/Land Surveyors Licensing Law (L.R.S. 37:696(B) & LAC 46:LXI. 2701), and the Louisiana State Sanitary Code (LAC Title 51, as may be applicable, see "PLUMBING INFORMATION" below).

The applicable general information contained in this checklist should be clearly identified on the drawings and/or specifications, or provided in the form of an attachment to the contract documents. An attachment is acceptable as long as it is part of the official construction documentation. Failure to provide this information may delay the review of the project or cause it to be rejected for lack of significant information. Additional information and/or drawings are never discouraged and may be necessary to describe complex or unique conditions contained in the project. Please verify that each item below is: A. in your submittal, B. correct, and C. is coordinated within the submittal. Thank you for your help, in completing and coordinating the items in this checklist.

**REVIEW APPLICATION, CHECKLIST, FEE & DOCUMENTATION**

- \_\_\_ Completed Plan Review Application form;
- \_\_\_ Check or money order (no cash accepted) for plan review fee, payable to the LA Department of Public Safety.
- \_\_\_ Calculate the required review fee from the Fee Calculation schedule, (visit our website at [www.dps.state.la.us/sfm](http://www.dps.state.la.us/sfm) for a copy of the current fee schedule);
- \_\_\_ One set of drawings and specifications stamped by the Louisiana licensed architect or civil engineer (Professional of Record, (POR)) preparing the documents when applicable. Drawings shall be legible prints or photocopies, live ink or pencil applied by hand is not acceptable;
- \_\_\_ Structural calculations;
- \_\_\_ COMcheck compliance documents.
- \_\_\_ An electronic copy of the submittal on CD Rom;
- \_\_\_ Documentation identifying the third party inspector(s) retained to perform the in-plant inspections.

# DRAWINGS AND SPECIFICATIONS FOR INDUSTRIALIZED BUILDING NEW CONSTRUCTION

## COVER SHEET INFORMATION

- \_\_\_ Identify the proposed occupancy classification(s) [IBC Chapter 3];
  - \_\_\_ Where the building contains multiple occupancy classifications, (not classified as “Accessory” to the main occupancy), indicate whether it’s designed as “Separated Occupancies” or “Nonseparated Occupancies” [IBC Section 508];
  - \_\_\_ Identify any “Accessory Occupancies” [IBC Section 508.2] (*other occupancy types less than 10% of the main occupancy*), and any “Incidental Use Areas” [IBC Table 508.2.5];
  - \_\_\_ Indicate if any “Special Detailed Requirements” based on use and occupancy apply [IBC Chapter 4];
- \_\_\_ Identify the construction type [IBC Table 601];
- \_\_\_ Indicate the gross square footage of each floor area, including any covered open areas that are subject to occupancy. [IBC Section 502]
- \_\_\_ Document compliance with the allowable height and building area limitations [IBC Chapter 5]. Provide calculations if area modifications are used [IBC Section 506]
- \_\_\_ Identify any Fire Protection Systems that are to be provided [IBC Chapter 9]:
  - \_\_\_ Automatic sprinkler system type and extent; [IBC Section 903]
  - \_\_\_ Alternative extinguishing systems; [IBC Section 904]
  - \_\_\_ Standpipe system; [IBC Section 905]
  - \_\_\_ Portable fire extinguisher size, type and locations; [IBC Section 906]
  - \_\_\_ Automatic or manual fire alarm system and extent; [IBC Section 907]
  - \_\_\_ Other fire protection / suppression systems.

### **Structural Design Data: (May also be indicated on the structural drawings)**

- \_\_\_ Design loads must be included within the construction documents in a manner such that the design loads are clear for all parts of the structure [IBC Section 1603]. This information is required on ALL projects regardless of the involvement of a registered design professional.

### **Design Loads:**

- \_\_\_ Indicate the load values used in the design of the structural components, as applicable:
  - \_\_\_ Floor Live load; [IBC Table 1607.1]
  - \_\_\_ Roof Live load; [Table 1607.1]
  - \_\_\_ Roof (ground) snow load; [IBC Figure 1608.2]

### **Wind Design Data:**

- \_\_\_ Indicate the following:
  - \_\_\_ Basic wind speed (3-second gust) for the design [IBC Figure 1609 or ASCE 7-05 Figure 6-1];
  - \_\_\_ Wind Importance Factor [ASCE Table 6-1];
  - \_\_\_ Occupancy Category [IBC Table 1604.5 or ASCE 7-05 Table 1-1];
  - \_\_\_ Wind Exposure Category [IBC Section 1609.4.3] and applicable governing wind direction;
  - \_\_\_ Applicable Internal Pressure Coefficient [ASCE 7-05 Figure 6-5];
  - \_\_\_ Indicate the design wind pressures in terms of psf used for the design of exterior Component and Cladding materials.
- \_\_\_ Indicate the design method used to determine the wind loads (Take note of the specific limitations of each):
  - \_\_\_ ASCE 7-05 Method 1 - Simplified Method, [ASCE 7-05 Section 6.4]
  - \_\_\_ ASCE 7-05 Method 2 - Analytical Method, [ASCE 7-05 Section 6.5]
  - \_\_\_ ASCE 7-05 Method 3 - Wind Tunnel Procedure, [ASCE 7-05 Section 6.6]
  - \_\_\_ Other methods or manuals as allowed or required by the code for specific building construction methods.

### **Earthquake Design Data:**

- \_\_\_ The following shall be shown regardless of whether seismic loads govern the design of the lateral-force-resisting system of the building: [IBC Sections 1603.1.5 and 1613]
  - \_\_\_ Seismic importance factor [ASCE 7005 Section 11.5];
  - \_\_\_ Occupancy category [IBC Table 1604.5 or ASCE 7-05 Table 1-1];
  - \_\_\_ Mapped spectral response accelerations [IBC Section 1613.5.1];
  - \_\_\_ Site class [IBC Table 1613.5.2 and ASCE 7-05 Chapter 20];
  - \_\_\_ Spectral response coefficients [IBC Tables 1613.5.3(1) & 1613.5.3(2)];

- \_\_\_ Seismic design category [IBC Tables 1613.5.6(1) & 1613.5.6(2) – Highest of the two];
- \_\_\_ Identify the basic seismic-force-resisting system(s) [ ASCE 7-05 Section 12.2 or Section 12.14.4];
- \_\_\_ Indicate the design base shear [ASCE 7-05 Section 12.8.1 or Section 12.14.8.1];
- \_\_\_ Seismic response coefficient(s) and Response modification factor(s) [ASCE 7-05 Table 12.2-1];
- \_\_\_ Analysis procedure used.[ASCE 7-05 Section 12.6 or Section 12.14]

**FLOOR PLAN INFORMATION**

Provide floor plan(s) drawn to a scale indicated on the plan and dimensioned. Plan(s) should indicate as a minimum:

- \_\_\_ Room names and/or uses;
- \_\_\_ Door and Window locations;
- \_\_\_ Clearly indicate the type and locations of any required fire resistance rated or smoke rated construction used in the project. (See Fire-Resistance Ratings, Fire Walls, Fire Barriers, Fire Partitions, Smoke Barriers, Smoke Partitions, etc. [IBC Table 601 and Chapter 7]):
  - \_\_\_ Building Element protection required by the Construction Type [IBC Table 601]
  - \_\_\_ Exterior wall construction [Table 602] including opening protection [IBC Section 705 and Table 705.8]
  - \_\_\_ Incidental Accessory Occupancies [IBC Table 508.2]
  - \_\_\_ Occupancy Separations (if Separated Occupancies) [IBC Table 508.4]
  - \_\_\_ Corridor construction [IBC Section 1018 and Table 1018.1]
  - \_\_\_ Exit Enclosures [IBC Sections 1022, 1023, and 1025]
  - \_\_\_ Fire Wall separations [IBC Table 706.4]
  - \_\_\_ Fire Area Separations [IBC Table 707.3.9]
  - \_\_\_ Shafts and Vertical Openings [IBC Section 708]
  - \_\_\_ Smoke Barriers and Smoke Partitions [IBC Sections 710 and 711]
  - \_\_\_ Other conditions that may require protection
- \_\_\_ Identify the listed tested assemblies, from an approved testing agency, used to achieve the fire resistance rating of the proposed construction (UL, ETL, FM, GA, WP, WH, etc.) including joints in the assemblies. [IBC Section 714]
- \_\_\_ Identify key features of the Means of Egress: (Chapter 10)
- \_\_\_ Indicate occupant loads for each room in Assembly (A1, A2, A3, A4, and A5) occupancies: [IBC Table 1004.1]
- \_\_\_ Indicate stair, corridor, aisle, and doorway widths in all occupancies: [IBC Section 1005]
- \_\_\_ Indicate locations of structural elements, including shear walls used to transfer lateral forces.

**SCHEDULES and DETAILS**

Provide sufficient information to identify features indicated in the construction documents:

- \_\_\_ Schedules to indicate door / frame and window opening sizes configurations, types, materials, fire resistance ratings and door operating hardware;
- \_\_\_ If the project is to be located in a wind borne debris region, (basic wind speed = 120 mph or greater), provide details, specifications and/or schedules to identify the method of opening protection used, and its anchorage to the building. [IBC Sections 1609.1.2 and 1609.2]
- \_\_\_ Identify the interior finishes used in each room of the project:
  - \_\_\_ Walls and Ceilings [IBC Table 803.5]
  - \_\_\_ Floors [IBC Section 804]

**STRUCTURAL FRAMING INFORMATION**

Provide framing plan(s) drawn to a scale indicated on the plan, dimensioned, and keyed to the floor plan(s). Plan(s) should indicate as a minimum:

- \_\_\_ Floor and roof framing plans (as applicable);
- \_\_\_ Identify structural members - Materials used, Sizes, and spacing;
- \_\_\_ Identify the Main Wind Force Resisting System. Provide sufficient detail to demonstrate that the structure has been designed to withstand the indicated design loads;
- \_\_\_ Locate lateral bracing, ties, clips, sheathing or other elements and materials used to reinforce or otherwise provide stability to the structure and provide continuous path for loads from roof to grade.
- \_\_\_ Provide anchorage details. Indicate types, locations, sizes and spacing;
- \_\_\_ Design loads must be included within the construction documents in a manner such that the design loads are clear for all parts of the structure [IBC Section 1603]. (See also COVER SHEET INFORMATION above)

**EXTERIOR ELEVATION INFORMATION**

Provide elevations of each side of the building. Plans should indicate as a minimum:

- \_\_\_ Vertical distance from grade to the average height of the highest roof surface [IBC Sections 502 and 504];
- \_\_\_ Opening locations and types indicated to scale;

- \_\_\_ If the project is to be located in a wind borne debris region, (basic wind speed = 120 mph or greater), documents should clearly identify methods used for opening protection;
- \_\_\_ Provide details and specifications to indicate that components and cladding (including the roof deck and roof coverings) are designed and are to be installed to withstand the pressures determined in accordance with ASCE 7 [ASCE 7-05 Sections 6.4.2.2 or 6.5.12.4];
- \_\_\_ Identify the lateral bracing system.

**BUILDING AND WALL SECTIONS**

- \_\_\_ Wall sections of each bearing wall condition, interior and exterior, to indicate a continuous load path through the structure from the roof to the floor system and the method of attachment to a foundation system at each condition;
- \_\_\_ Drawings should clearly indicate the components required to resist wind forces and to achieve the required “continuous load path” from roof peak to foundation anchorage.
- \_\_\_ Provide details and specifications to indicate that components and cladding are designed and installed to withstand the pressures determined in accordance with ASCE 7. (See also EXTERIOR ELEVATION INFORMATION above)
- \_\_\_ Identify structural members;
- \_\_\_ Identify materials;
- \_\_\_ Provide dimensions;
- \_\_\_ Specify anchorage/connector types used and indicate their proposed locations and spacing. (See also STRUCTURAL FRAMING INFORMATION above)

**MECHANICAL INFORMATION**

- \_\_\_ Provide mechanical drawings to indicate as a minimum:
  - \_\_\_ Equipment types and locations;
  - \_\_\_ Ductwork and piping sizes, CFM, and locations;
  - \_\_\_ Mechanical ventilation air balance design calculations;
  - \_\_\_ Return, supply, exhaust and outdoor air supply in accordance with IMC 403.1, 403.2, 403.2.1, 403.3 and Table 403.3 requirements; (see also IBC Section 1017.4 & LSPC 404.1)
  - \_\_\_ Electrical and/or fuel gas requirements of proposed equipment;
  - \_\_\_ Identify the devices used to protect duct penetrations and air transfer openings in assemblies required to be protected [IBC Section 716];
  - \_\_\_ Smoke control system details (where required) [IBC Section 909 and IMC Chapter 5];
  - \_\_\_ Commercial hood and duct system details (where applicable) [IBC Section 904 and IMC Chapter 5]. (See also checklist available on our website at [www.dps.state.la.us/sfm](http://www.dps.state.la.us/sfm))

**PLUMBING INFORMATION**

- \_\_\_ Plans should indicate as a minimum:
  - \_\_\_ Fixture types and locations;
  - \_\_\_ Usable Floor Space (LSPC 407.1.3);
  - \_\_\_ Water supply and distribution;
  - \_\_\_ Identify piping materials, fittings, and valves;
  - \_\_\_ Backflow protection of potable water;
  - \_\_\_ Sanitary drainage and cleanouts;
  - \_\_\_ Vent sizes and locations;
  - \_\_\_ Plumbing riser and dimensioned Plumbing Layout Diagram(s);
  - \_\_\_ Storm/Roof Drainage;
  - \_\_\_ Water heating equipment size and type;
  - \_\_\_ Non-conventional plumbing designs (LSPC 1202.1 / Appendix L of LSPC, if applicable);
  - \_\_\_ Identify the materials and methods of construction used to protect through penetrations and membrane penetrations of horizontal assemblies and fire-resistance-rated wall assemblies [IBC Section 712]

In accordance with the Public Health-Sanitary Code, (LAC Title 51), Part I, Section 119, certain activities require submission of plans to the state health officer, who must approve the plans and issue a permit prior to the initiation of the activity. Refer to the chart below to determine if submission to the DHH - Office of Public Health is required.

Plans for proposed construction, renovation, or use of the following buildings and establishments shall be submitted to the state health officer for review and approval before construction. (LAC Title 51 Part 1, Section 119)

<b>Manufacturing, Processing, Packing and Holding of Food, Drugs and Cosmetics (Part VI)</b>	Food or Drug Manufacturers., Distributors, Wholesalers, or Warehouses; Food Salvaging Operations, Bottled Drinking Water Processor/Packagers (109.B) Bakeries and Manufacturing Confectioneries (505.A.1) Soft Drink Manufacturing (1105.A) Cold Storage and Ice Plants (1303.A)
--	--

<b>Milk, Milk Products, and Manufactured Milk Products (Part VII)</b>	All dairies from which milk or milk products are offered for sale (301.A) All milk and milk products plants from which milk or milk products are offered for sale (501.A)
<b>Frozen Desserts (Part VIII)</b>	Plants for the production of frozen desserts (127.A) Depots for Mobile Frozen Dessert Units (141)
<b>Marine and Fresh Water Animal Food Products (Part IX)</b>	Establishments for the cleaning, shucking, picking, peeling, or packing of any marine or fresh-water animal food product (313.A)
<b>Game Bird and Small Animal Slaughter and Processing (Part X)</b>	Every slaughter house and meat packing plant (113.B)
<b>Animals and Animal Diseases; Rendering of Animals (Part XI)</b>	Rendering plant (301.B)
<b>Water Supplies (Part XII)</b>	Public water systems/supplies (105.B)
<b>Sewage Disposal (Part XIII)</b>	Community sewerage system, or make a modification of an existing system which changes the system's capacity, effluent quality, point of discharge, hydraulic or contaminant loadings, or operation of the component units of the system (501.A) Individual sewerage system of any kind (701.A)
<b>Travel Trailers and Mobile/Manufactured Homes (Part XIV – Appendices B &amp; C)</b>	Travel trailer parks (LSPC – B104) Mobile/Manufactured home parks (LSPC – C104)
<b>Hotels, Lodging Houses, Boarding Houses (Part XV)</b>	Hotel, lodging house or boarding house (105.A)
<b>Campsites (Part XVI)</b>	Campsite (301.A)
<b>Public Buildings, Schools, and Other Institutions (Part XVII)</b>	Facilities for any state agency, or any institutional buildings. Institutions include, but are not limited to schools, kindergartens, nursery schools, trade schools, colleges, universities, hospitals, nursing homes, jails, and mortuaries. (103.A)
<b>Jails, Prisons and Other Institutions of Detention or Incarceration (Part XVIII)</b>	Jails, prisons or other institutions of detention or incarceration (101.A)
<b>Hospitals, Ambulatory Surgical Centers, Renal Dialysis Centers (Part XIX)</b>	Hospital, ambulatory surgical center, or renal dialysis center (103.A)
<b>Nursing Homes (Part XX)</b>	Nursing home (103.A)
<b>Day Care Centers and Residential Facilities (Part XXI)</b>	Child and adult day care centers (103.A) Residential Facilities include, but are not limited to group homes, community homes, maternity homes, juvenile detention centers, emergency shelters, halfway homes and schools for the mentally retarded.
<b>Retail Food Establishments (Part XXIII)</b>	Food establishment or retail food store/market (307.A) Itinerant food establishments or itinerant retail food stores/markets (4131.A) Mobile Food Establishments/Depot (4509.A & 4523.B)
<b>Swimming Pools and Natural or Semi-Artificial Swimming or Bathing Places (Part XXIV)</b>	Swimming pool, water park or water slide public or private, including, but not limited to, those owned by clubs, private schools, apartment houses, and condominiums. (103.A.b)
<b>Burial, Transportation, Disinterment or Other Disposition of Dead Human Bodies (Part XXVI)</b>	Funeral establishments (105.A)

If the proposed project meets one or more of the descriptions above, contact a sanitarian or an engineer at the appropriate Department of Public Health regional office listed below to inquire where plans and specifications are to be submitted. In some cases, plans and specs will be reviewed by OPH sanitarians or engineers who are housed at offices other than those listed below.

1 Metro Region I 1010 Common St., Suite 700 New Orleans, LA 70112 (504) 599-0101 fax (504) 599-0200	2 Capitol Region II 7173A Florida Blvd Baton Rouge, LA 70806 (225) 925-7230 fax (225) 925-3832	3 Teche Region III 1434 Tiger Dr Thibodaux, LA 70301 (985) 449-5007 x 345 fax (985) 449-5011
4 Acadian Region IV 825 Kaliste Saloom Bldg. 3, Suite 100 Lafayette, LA 70508 (337) 262-5311 fax (337) 262-5638	5 Southwest Region V 707 A East Prien Lake Road Lake Charles, LA 70601 (337) 475-3200 fax (337) 475-3222	6 Central Region VI 5604-B Coliseum Blvd Alexandria, LA 71303 (318) 487-5262 fax (318) 487-5338
7 Northwest Region VII 1525 Fairfield Ave, Room 566 Shreveport, LA 71101 (318) 676-7470 fax (318) 676-5170	8 Northeast Region VIII 1650 Desiard Street 2nd Floor Monroe, LA 71201 (318) 361-7201 fax (318) 362-3163	9 Southeast Region IX 21454 Koop Dr., Suite 1C Mandeville, LA 70471 (985) 871-1300 fax (985) 871-1335

**FUEL GAS INFORMATION**

Plans should indicate as a minimum:

- \_\_\_ Fuel Gas type;
- \_\_\_ Pipe sizes, entrance location(s), controls;
- \_\_\_ Equipment and appliance locations;
- \_\_\_ Schedules of equipment and appliance demands;
- \_\_\_ Required clearances to combustibles materials;
- \_\_\_ Combustion, Ventilation, and Dilution air requirements, locations and details;
- \_\_\_ Chimney and vent sizes, locations, and details;
- \_\_\_ Identify the materials and methods of construction used to protect through penetrations and membrane penetrations of horizontal assemblies and fire-resistance-rated wall assemblies [IBC Section 712]

**ELECTRICAL INFORMATION**

Plans should indicate as a minimum:

- \_\_\_ Receptacle and Lighting locations with circuits identified and symbol legends;
- \_\_\_ GFCI locations;
- \_\_\_ Exit Signage and Emergency Lighting locations [IBC Sections 1006 and 1011];
- \_\_\_ Equipment and Fixture schedules;
- \_\_\_ Indicate Meter type and location;
- \_\_\_ Panelboard ratings & locations;
- \_\_\_ Balanced panel load schedules in amps and KVA;
- \_\_\_ Size and ratings of all overcurrent protection devices;
- \_\_\_ Specify all conductor sizes in accordance with NEC 215.5, 215.2, 220.3 and annex G 80.21(a)(b)(c) requirements.
- \_\_\_ Identify the materials and methods of construction used to protect through penetrations and membrane penetrations of horizontal assemblies and fire-resistance-rated wall assemblies [IBC Section 712]