

STATE OF LOUISIANA
Department of Public Safety and Corrections
Office of State Fire Marshal Code Enforcement and Building Safety
8181 Independence Boulevard
Baton Rouge, Louisiana 70806
225-925-4920

HENRY H. FRY
DEPUTY ASSISTANT SECRETARY

NEW CONSTRUCTION

EMMETT DAMMON, P.E., E.E
DAMMON ENGINEERING
1095 FLORIDA AVE
SLIDELL, LA 70458-0000

RE: P0328375
TEXTRON INC TEMPORARY TRAILER
2865 FRONT ST
SLIDELL, LA 70458

NFPA 101, 2003

BUSINESS

Dear Applicant:

This is to advise that we have reviewed the drawings and specifications for the subject proposed construction and have determined that they appear to satisfactorily comply with the adopted laws, codes, rules and regulations of The State Fire Marshal subject to the following requirements:

- 1. **This review applies to new work indicated in the drawings and does not apply to existing non-conforming conditions. (A trailer that has been moved to a new location is considered new construction. This is the initial review for this trailer in this location.)**

NOTE: THE COMMENTS LISTED BELOW IDENTIFY APPARENT DEFICIENCIES DETECTED IN OUR REVIEW OF THE DOCUMENTS SUBMITTED.

- 2. **LRS 40:1731 (Effective 8/15/95) Provide handicapped accessibility in accordance with ADA-AG (Accessibility Guidelines - September 1994). 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.**

"PARTICULAR APPARENT DEFICIENCIES" and paragraph references are noted as follows:

- a) 4.8.4 Landings at ramps shall be 60" in length and as wide as the ramp. A 60" wide by 60" long minimum landing is required between ramp runs where a change of direction is necessary.
 - b) 4.1.3(11) and 4.1.6(3)(e) ALL public and common use toilet rooms shall comply with requirements of this Section 4.22.
- 3. **LRS 40:1730.45 and LAC 55:V:2601 The documentation provided for the subject facility does NOT appear to comply with The Commercial Building Energy Conservation Code.**
 - a. **LAC 55:V:2604 The applicable standard for commercial buildings, other than low-rise residential buildings, is ANSI/ASHRAE/IESNA Standard 90.1-2001. Demonstration of compliance**

using COMcheck, available from the U.S. Department of Energy, with "Standard 90.1 - 2001" selected as the code option shall be deemed to comply with the Commercial Building Energy Conservation Code. Compliance must be demonstrated individually for each of three components; envelope, lighting (including electrical), and, mechanical (including hot water). Code compliance materials can be obtained from the Department of Energy's website <http://www.energycodes.gov>. Technical assistance can be obtained from the Technology Assessment division of the La. Dept. Of Natural Resources at 1-800-836-9589 (1-225-342-3842 if calling from outside Louisiana).

NOTE: THE FOLLOWING COMMENTS IDENTIFY ISSUES FOR INFORMATIONAL AND CAUTIONARY PURPOSES OR ISSUES THAT COULD NOT BE VERIFIED IN THE SUBMITTED DOCUMENTS.

4. Contact the local building official of the applicable local political subdivision to coordinate compliance with State Uniform Construction Code requirements. LRS 40:1730.23 mandates the enforcement of building codes by municipalities and parishes in Louisiana, as described by LRS 40:1730.28.
5. Insulation and insulation assemblies shall meet the requirements of Section 719, International Building Code, 2006 Edition.
 - a) Concealed and exposed insulation shall have a flame spread of 0-25 and a smoke developed of 0-450 in accordance with IBC 719.
6. LRS 40:1711 Provide safety glazing in hazardous locations. (See enclosed.)
7. LRS 40:1731-(Effective 8/15/95) Provide access to persons with disabilities in accordance with ADA-AG (Accessibility Guidelines - September 1994). 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. Particular deficiencies and paragraph references are noted as follows:
 - a) 4.5 Ground and floor surfaces shall be stable, firm, and slip-resistant.
 - b) 4.1.2(5) Provide one accessible parking space. (One of every 8 accessible spaces but not less than one shall be "Van Accessible" (96" wide space plus 96" wide aisle) with signage per 4.6.4).
 - c) 4.6.3 Parking spaces shall comply with this section. Parking spaces and access aisles cannot include a ramp or any other sloped surface exceeding 1:50 (2%) in any/all directions.
 - d) 4.6.2 Accessible parking spaces shall be located on the shortest accessible route of travel to an accessible building entrance.
 - e) 4.6.4 Signage, designating parking for persons with disabilities, shall not be obscured by vehicle.
 - f) IM 2002-16 Persons in wheelchairs shall not be required to pass behind parked vehicles other than his own.
 - g) 4.1.2(1) A minimum 36" clear accessible route shall be maintained (See 4.6.3 and Fig. 9) and shall not be reduced by automobile bumpers overhanging the sidewalk.
 - h) 4.7 Provide curb ramps wherever an accessible route crosses a curb (See Fig.'s 12 and 13).

i) 4.7.7 A curb ramp shall have a "detectable warning" complying with 4.29.2. The "detectable warning" shall extend the full width and depth of the curb ramp.

j) 4.29.2 Required "detectable warnings" on walking surfaces shall consist of raised truncated domes.

k) This exception is intended to allow the exemption from 'truncated dome' provisions of the ADA-AG at areas requiring detectable warning surfaces.

After consultation with the Office of Rehabilitation Services, it has been determined that this office will not require this facility to provide 'truncated domes' as the tactile warning at areas required to provide detectable warning surfaces, with the following stipulations:

1. The only acceptable alternative tactile warning at areas required to provide detectable warning surfaces is a surface with a profile of minimum 1/4" deep grooves that are spaced 2" to 3" on center and scored into concrete at all locations that detectable warning surfaces are required. The scoring shall run perpendicular to the path of travel. A grid scoring pattern is permissible.

2. Other than the profile of the tactile warning, the detectable warning surface must comply with Section 4.29 of the ADAAG. (Note that the area of the detectable warning surface must have an integral color that contrasts with adjacent pedestrian and vehicular way surfaces.)

3. This exemption does not apply to public rights of way.

4. If a complaint is received about discrimination in hiring of handicapped individuals or concerning handicapped accessibility to any part of the facility, then this office shall reserve the right to investigate the complaint and, if justified, shall reserve the right to require the facility or a portion thereof to be upgraded to comply with the accessibility requirements enforced by this office.

5. Please note that this document indicates specific compliance with state regulations and does not guarantee nor attempt to circumvent compliance with federal law.

l) 4.29.2 The "detectable warning" on walking surfaces shall contrast visually with adjoining surfaces, either light-on-dark, or dark-on-light. The material used to provide the contrast shall be an integral part of the walking surface.

m) 4.8 Slope of ramps shall not exceed 1:12.

n) 4.8.7 Provide edge protection at open sides of ramps and landings. Curbs shall be not less than 4" high in accordance with 101:7.2.5.3.3.

o) 4.8.5 Provide handrails at both sides of ramps with rise greater than 6". Handrails shall comply with 4.8 and 4.26.

p) 4.8.5(2) Handrails at ramps shall extend at least 12" beyond the top and the bottom of the ramp parallel to the landing (See Figure 17).

q) 4.5.2 Thresholds shall comply with requirements of this section regarding changes in level. (Not more than 1/2" height and beveled if over 1/4").

r) 4.13 Doors shall provide 32" clear width. (Consider 3'-0" door).

s) 4.13.6 Provide maneuvering clearance at doors in accordance with figure 25(a)(b)(c).

- t) 4.13.9 Door hardware shall comply with this section. Hardware shall not require tight grasping, tight pinching, or twisting of the wrist to operate.
- u) 4.16.2 and 4.17.3 The centerline of accessible toilets shall be 18" from the nearest adjacent wall as shown in Figures 28, 29, and 30.
- v) 4.22.4 Accessible toilets shall comply with 4.16.
- w) 4.16.4 Toilet room grab bars shall comply with 4.26 and Fig. 29. (Provide a 42" long grab bar adjacent to toilet and a 36" long grab bar behind toilet).
- x) 4.19 Lavatories shall comply with the following:
1. 4.19.2 Lavatories shall be mounted with a clearance of at least 29" from the floor to the bottom of the apron. Knee and toe clearances shall comply with Fig. 31.
 2. 4.19.4 Hot water and drain pipes shall be insulated or covered.
 3. 4.19.5 and 4.27.4 Faucets shall not require tight grasping, pinching, or twisting of the wrist to operate.
 4. 4.19.6 Mirrors shall be mounted with the bottom edge not more than 40" from the floor.
- y) 4.1.3(13) Provide a maximum counter height of 34" at sink OR provide a maximum counter height of 36" at sink if knee space exists under sink.
- z) 4.1.3(16) Permanent signage shall comply with 4.30.
1. Signage, where provided for permanent rooms and spaces shall provide;
 - a. braille and raised lettering as per 4.30.4,
 - b. letter/symbol to background color contrast as per 4.30.5, and
 - c. a 60" height from floor to the centerline of the sign as per 4.30.6.
 2. Other permanent signs which provide direction to or information about functional spaces of the building shall provide;
 - a. letter character width to height proportion as per 4.30.2,
 - b. character height proportion based on height of sign from finish floor as per 4.30.3, and
 - c. letter/symbol to background color contrast as per 4.30.5.
 - a1. 4.1.3(16)(a) Provide low level mounted exit signage in accordance with 4.30.1, 4.30.4, 4.30.5 and 4.30.6 (raised character, letter size, mounting) at all required exit doors to the exterior, exit stair doors and horizontal exit doors.
 - b1. 4.1.2(7) Provide directional signage to the nearest accessible entrance at all inaccessible entrances.
- (If you wish to appeal accessibility, see enclosed form.)
8. 101:7.2.1.2.4 and 7.1.5.1 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.
9. 101:7.2.1.5 Locks on doors in means of egress shall not require the use of a key, special device or special knowledge to open in the direction of egress.

10. 101:7.2.1.5.9 Doors shall be openable with ONLY one releasing operation. A two-step release, such as a knob and an independent slide bolt, is NOT acceptable.
11. 101:7.2.1.3 Provide landings outside exterior doors level with the interior finish floor. (Interior/exterior elevations not specified.)
12. ADA-AG 4.1.3(9) and 4.3.10 Each required exit shall be an accessible means of egress. (One required exit.)
13. 101:7.2.5 Ramp width shall be not less than 44 inches.
14. 101:7.2.2.2.1 Stairs shall comply with the appropriate Stair table.
 - a) 44 inch minimum width.
 - b) 7" maximum and 4" minimum rise.
 - c) 11" minimum tread depth.
 - d) 6'-8" minimum headroom.
 - e) 12 feet maximum height between landings.
 - f) Landings (See 7.2.1.3, 7.2.1.4.4 and 7.2.2.3.2).
 - g) Stair treads shall be uniformly slip resistant.
15. 101:7.1.7.2.2 Steps in a change in elevation, where the elevation difference is 21" or less, shall have minimum 13" treads that are readily apparent.
16. 101:7.2.2.4.1 Stairs and ramps shall have handrails on both sides and shall be provided within 30 inches of all portions of the required egress width of stair.
17. 101:7.2.2.4.4.1 Handrails shall be no lower than 34" nor higher than 38" above the leading edge of the tread surface.
18. 101:7.2.2.4.4.10 Where a stair handrail is not continuous between landings, it shall continue to slope for a depth of one tread beyond the bottom riser and shall extend 12" level with the landing at the top riser. In addition, if a handrail is to provide for handicapped accessibility, an additional 12" extension is required at the bottom level with the landing in accordance with ADAAG 4.9.4(2).
19. 101:7.2.2.4.4.7 and 7.2.2.4.4.6(1) Handrails shall be continuously graspable along the entire length. Handrails shall be from 1-1/4" to 2" in diameter.
20. 101:7.2.2.4.4.5 Provide a minimum clearance of 2-1/4" between the handrails and the walls or guards to which they are attached. (Where applicable.)
21. 101:7.2.2.4.5.2 and 101:7.1.8 Guard rails shall be at least 42" high and are required when a change in elevation exceeds 30". (Provide at open sides of stairs, ramps and landings, as applicable.)
22. 101:7.2.2.4.5.3 Guard rail openings shall be such that a 4" diameter sphere shall not pass through, up to a height of 34". (As applicable.)

23. 101:7.2.2.4.5.3(1) The triangular openings formed by the riser, tread, and bottom element of a guardrail at the open side of Stair shall be of such size that a 6" diameter sphere is not able to pass through the triangular opening. (As applicable.)
24. 101:38.3.2 Separate closet from other parts of the building by 1 hour fire resistive construction with self-closing 45 minute labeled door/frame assembly or provide automatic sprinkler protection in accordance with Section 9.7 and smoke partitions with self-closing doors in accordance with 8.7.1.2 and 8.4. (Sprinkler piping for isolated hazardous areas connected to domestic water supply shall comply with 101:9.7.1.2).

In Business uses, according to NFPA 101:A38.3.2.1, "It is not the intent of this provision that rooms inside individual tenant spaces, used to store routine office supplies for that tenant, be required to be either separated or sprinklered." (If A38.3.2.1 is applicable, this item and related construction requirements are not applicable.)

25. 101:8.2.2.3 Fire compartments shall be formed by fire barriers that are continuous from foundation through all intervening construction to the roof deck, from outside wall to outside wall or from fire barrier to fire barrier, including continuity through all concealed spaces, such as those found above a ceiling, including interstitial spaces. (Fire barrier terminations to comply with NFPA 221:3.2. If closet needs separation.)
26. 101:8.2.3 Fire resistive-rated building assemblies shall be of a design that has been tested and listed by an approved testing laboratory for the intended application. (NFPA 251:1-3.2 does not permit variations from test assemblies). (If closet needs separation.)

a) IDENTIFY the listed assemblies that are properly tested by Underwriters Laboratories (UL), Factory Mutual (FM), or other approved testing laboratory; provide assembly cut sheets to Inspector for review at inspection time. Please be advised that a failure to provide this information in a timely manner may cause substantial delays at final inspection and may adversely impact subsequent occupancy.

27. 101:8.3.5 Penetrations through rated construction shall be sealed by approved firestop systems or devices tested in accordance with ASTM E-814 or ANSI/UL 1479 or by assemblies of firestopping materials capable of preventing the passage of flames and hot gases when tested and rated in accordance with NFPA 251. (This requirement applies for elevator controls on shaft walls, electrical outlets, light switches, etc.).
 - a) Notify the District Office identified at the end of this letter for inspection of all completed fire and/or smoke barrier walls before any construction is installed that would conceal such construction and prevent a proper inspection. Access to randomly selected areas may be required by the inspector at time of final inspection if this notification is not given.
 - b) Provide detailed instructive cut sheets of the fire penetration sealing system used to the inspector at time of inspection. Random selective sampling by the contractor will be observed by the inspector. (Reminder.)

28. 101:9.7.1.2 Sprinkler piping for isolated hazardous areas may be connected to a domestic water supply in accordance with the provisions of this section. (If this option is used, see Instruction #5 with enclosed form.)
29. LAC 55:V:303.D Provide listed portable fire extinguishers in accordance with NFPA 10. (Refer to Appendix E for distribution information.)

30. **NFPA 10:5.1.4** Provide portable fire extinguishers within the following travel distances (See Tables 10:5.2.1 and 5.3.1);
 - a) Travel distance to a fire extinguisher shall not exceed 75 feet for Class A, C and D fires.
31. **NFPA 10:1.5.10** Top of fire extinguisher, having a gross weight less than 40 lb, shall be not more than 5 feet above the floor; 3-1/2 feet if gross weight 40 lbs or greater.
32. **LRS 40:1653 and 40:1628** 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.
33. **101:38.2.8** Provide illumination of means of egress in accordance with NFPA 101:7.8 including exit discharge (exterior).
34. **Compliance with the 2005 NFPA 70, National Electrical Code (NEC), is mandated by RS 40:1730.28.A(7).** Contact the local Building Official of the applicable local political subdivision or a Louisiana State Uniform Construction Code Council registered third-party provider to verify plan review and inspection requirements of the proposed electrical work. (Any new and/or incidental electrical work.)
35. **NOTE: Please enclose a copy of this letter with future submittals or other correspondence pertaining to this project.**

Changes to construction in the field which are not consistent with the reviewed documents are not authorized unless reviewed by this office for compliance with Code. Modifications to reviewed plans must be submitted to this office by the Architect/Civil Engineer for review prior to final inspection. If an Architect or Civil Engineer is not required by RS 37:155, revisions shall be submitted by the Owner. Submittals shall include plans, completed application, a minimum \$55.00 review fee, and a copy of the most current plan review letter.

Compliance with code requirements for fire protection systems, such as Fire Alarm, Sprinkler and Suppression Systems, is determined by separate shop drawing submittal and is not included in this review.

This review shall in no way permit and/or authorize any omissions or deviations from the specific requirements of the adopted codes, rules and regulations in accordance with R.S. 40:1574.1(B).

This review is valid for 180 days from the date of this letter. Construction permits must be issued and/or construction must commence within this time period.

This office requires certification of the completed project in accordance with the approved documents (certificate enclosed).

Occupancy of the project will not be permitted until we receive the completed certificate and a satisfactory inspection of the completed construction has been made by this office.

To arrange for inspection of the project, please contact the District Office at the phone number below two (2) to three (3) weeks in advance. The plans stamped reviewed by this office must be available on job site at time of inspection. Certificate of completion must be provided to the inspecting Deputy for final inspection.

REVIEWED BY:
WILLIAM JENSEN
ARCHITECT

CC:
Textron Marine And Land Systems
St Tammany Fire Protection District No 1*
City Of Slidell*
New Orleans District* 5042194600

Invoice for \$450.00

For the approval of a trailer at the Slidell site.

Teresa Bergeron
Sr. Material Representative
Textron Marine and Land Systems
19401 Chef Menteur Hwy.
N.O.L.A. 70129

Dammon Engineering, Inc.

(985) 649-5832 Fax (985) 641-5950 dammoneng@bellsouth.net

1095 Florida Ave
Slidell, LA 70458

Invoice

DATE	INVOICE #
6/11/2007	5208

BILL TO:	
Ms. Teresa Bergeron Sr. Material Representative Textron Marine and Land Systems 19401 Chef Menteur Hwy. New Orleans, LA 70129	
RE:	Textron Temporary Trailer

DESCRIPTION	AMOUNT
Engineering services for plans for a temporary trailer at 2865 Front Street	450.00
Thank You.	Total Due: \$450.00