

# SYLVAN LEARNING CENTER

RENOVATION = 2750 SQ.FT.

TYLER SQUARE

SUITE #3 & #4

58465 TYLER STREET

SLIDELL, LA 70458

## INTERNATIONAL BUILDING CODE 2009 SUMMARY

OCCUPANCY CLASSIFICATION:  
BUSINESS GROUP: B (SEC 304.1)

OCCUPANT LOAD: (TBL 1004.1.1)  
 BUSINESS = 700 GROSS / OCCUPANT = 27.50(100) = 27.50 OCCUPANTS  
 TOTAL LOAD = 28.00 OCCUPANTS

EXIT ACCESS REQUIREMENTS: (SEC 101.4)  
 ! EXIT REQUIRED FOR < 50 OCCUPANTS (TBL 1015.1)  
 ! EXIT PROVIDED  
 MAXIMUM COMMON PATH OF EGRESS TRAVEL = 200' (BUSINESS WITHOUT SPRINKLER, TBL 1016.1)  
 LONGEST EGRESS PATH IN AREA OF WORK = 44'

CONSTRUCTION CLASSIFICATION: (SEC 602.2)  
 TYPE IIB

ALLOWABLE HEIGHT AND BLDG. AREA: (TBL 503)  
 THREE STORY AND 23,000 SQ.FT. (BUSINESS)  
 THIS BLDG 11,000 SQ.FT. / 1 STORY

FIRE RESISTANCE RATING REQUIREMENTS FOR BLDG. ELEMENTS: (TBL 601)  
 STRUCTURAL FRAME = 0 HRS.  
 BEARING WALLS (INTERIOR AND EXTERIOR) = 0 HRS.  
 NON-BEARING WALLS = 0 HRS.  
 FLOOR CONSTRUCTION = 0 HRS.  
 ROOF CONSTRUCTION = 0 HRS.

FIRE RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS: (TBL 602)  
 EXTERIOR WALLS WITH  $\geq$  30' FIRE SEPARATION DISTANCE = 0 HRS.  
 EXTERIOR WALLS WITH < 5' FIRE SEPARATION DISTANCE = 1 HR.

MAX. AREA OF EXTERIOR WALL OPENINGS: (TBL 705.8)  
 BLDGS WITH  $\geq$  30' FIRE SEPARATION DISTANCE ALLOWED UNLIMITED PROTECTED AND UNPROTECTED OPENINGS

AUTOMATIC SPRINKLER SYSTEM REQUIREMENTS: (SEC 903)  
 THIS BLDG. DOES REQUIRE NOT AN AUTOMATIC SPRINKLER SYSTEM.

FIRE PROTECTION SYSTEM REQUIREMENTS: (SEC 907)  
 THIS BLDG. SHALL BE NOT REQUIRED TO HAVE AN APPROVED FIRE PROTECTION SYSTEM IN ACCORDANCE WITH SEC 907.2.2.

CONSTRUCTION DOCUMENTS: (SEC 1603)  
 THIS BLDG. SHALL BE DESIGNED IN ACCORDANCE WITH IBC SECTION 1609 AS A FULLY ENCLOSED BLDG. USING THE FOLLOWING INFORMATION:  
 WIND DESIGN DATA:  
 DETERMINATION OF WIND LOADS SHALL BE IN ACCORDANCE WITH IBC SEC 1609.4  
 BASIC WIND SPEED (3 SECOND GUSTS) = 130 MPH (FIG. 1609)  
 IMPORTANCE FACTOR: CATEGORY II BLDG., IE = 1.00, IS = 1.0, IW = 1.00 (TBL 1604.5)  
 EXPOSURE B  
 DESIGN WIND PRESSURE (ASCE 7-05 FIG. 6-2): 33.6 PSF  
 INTERNAL PRESSURE COEFFICIENT (ASCE 7-05 FIG. 6-5):  $\pm$  0.18  
 LIVE LOADS: (SEC 1607)  
 OFFICE (TBL 1607.1): 50 PSF  
 ROOF LIVE LOAD (TBL 1607.1) = 20 PSF UNIFORM, 300 LB. CONCENTRATED  
 GROUND SNOW LOAD (FIG. 1608.2) = 5 PSF

## NATIONAL FIRE PROTECTION ASSOCIATION 2009 SUMMARY

BUILDING AREA:  
 TOTAL BUILDING AREA = 11,000 SQ.FT.  
 AREA TO BE RENOVATED = 2750 SQ.FT.

OCCUPANCY CLASSIFICATION:  
EXISTING GROUP: B (BUSINESS)

OCCUPANT LOAD: (TBL 7.3.1.2)  
 BUSINESS = 700 GROSS SQ.FT. / OCCUPANT = 2,750 / 100 = 28.00 OCCUPANTS

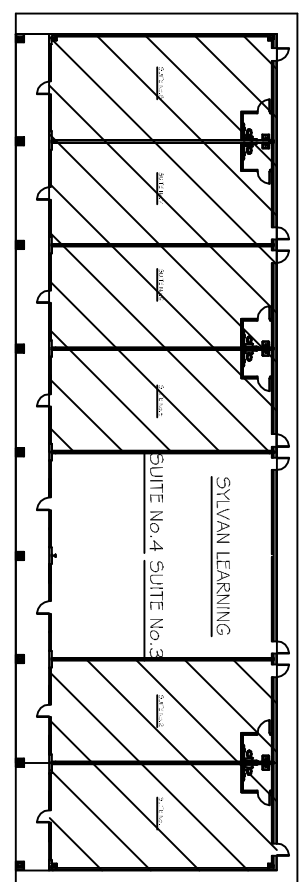
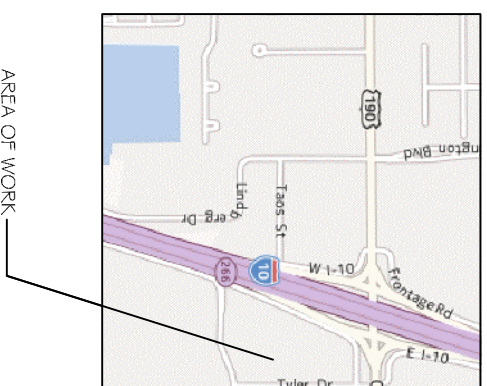
SPRINKLER SYSTEM: (SEC 39.2.5)  
 THIS BUILDING SHALL NOT BE REQUIRED TO HAVE AN AUTOMATIC SPRINKLER SYSTEM AT THIS TIME.

FIRE ALARM SYSTEM: (SEC 39.3.4.1)  
 A FIRE ALARM SYSTEM IS NOT REQUIRED.

EXIT ACCESS:  
 ! EXITS REQUIRED (SEC 39.2.4.1)  
 ! EXITS PROVIDED  
 ALLOWABLE EXIT ACCESS TRAVEL DISTANCE = 200' (SEC 39.2.6.2)  
 LONGEST EGRESS PATH IN AREA OF WORK = 44'

### INDEX OF DRAWINGS

SHT#	DWG#	COVERSHEET	DRAWING NAME	REVISED
1		COVERSHEET		
2	A-1	FLOOR PLAN & REFLECTED CEILING PLAN		
3	M-1	MECHANICAL PLAN		
4	E-1	POWER AND LIGHTING PLAN		



VICINITY MAP  
 N.T.S.

KEY PLAN  
 N.T.S.

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TYLER SQUARE  
 58465 TYLER STREET SUITE #3 & #4  
 SLIDELL, LA

JOB No: 2153 DATE: 10-11-12  
 DRAWN BY: BSN CHECKED BY: BSN