

RAINFOREST CARWASH & OIL CHANGE

5026 HARDY STREET
HATTIESBURG, MISSISSIPPI 39401

INTERNATIONAL BUILDING CODE 2009 SUMMARY

OCCUPANCY CLASSIFICATION:
BUSINESS GROUP: B (SEC 304.1)

OCCUPANT LOAD: (TBL 1004.1.1)
BUSINESS = 100 GROSS / OCCUPANT = 54.6 OCCUPANTS
TOTAL LOAD = 54.6 OCCUPANTS

EXIT ACCESS REQUIREMENTS: (SEC 101.4)
2 EXITS REQUIRED FOR > 49 OCCUPANTS (TBL 1015.1)
MAXIMUM COMMON PATH OF EGRESS TRAVEL = 200' (BUSINESS WITHOUT SPRINKLER, TBL 1016.1)
LONGEST EGRESS PATH IN AREA OF WORK = 60'

CONSTRUCTION CLASSIFICATION: (SEC 602.5)
TYPE VB

ALLOWABLE HEIGHT AND BLDG. AREA: (TBL 503)
TWO STORY AND 9,000 SQ.FT.
THIS BLDG 5,460 SQ.FT. / 1 STORY

FIRE RESISTANCE RATING REQUIREMENTS FOR BLDG. ELEMENTS: (TBL 601.1)
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 = 1HR.

MAX. AREA OF EXTERIOR WALL OPENINGS: (TBL 704.8)
BLDG. WITH $\geq 30'$ FIRE SEPARATION DISTANCE ALLOWED UNLIMITED PROTECTED AND UNPROTECTED OPENINGS

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

FIRE PROTECTION SYSTEM REQUIREMENTS: (SEC 907)
THIS BLDG. SHALL NOT BE 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) = 110 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): ± 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



VICINITY MAP
N.T.S.

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