

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(0/100) = 54.6 OCCUPANTS
TOTAL LOAD = 54.6 OCCUPANTS

EXIT ACCESS REQUIREMENTS: (SEC 101.4)
2 EXITS REQUIRED FOR > 49 OCCUPANTS (TBL 101.5.1)
2 EXITS PROVIDED
MAXIMUM COMMON PATH OF EGRESS TRAVEL = 200' (BUSINESS WITHOUT SPRINKLER, TBL 101.6.1)
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 >= 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 >= 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.

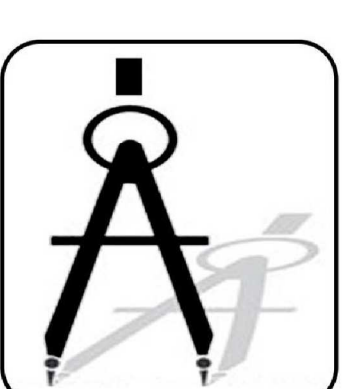
FIRE PROTECTION SYSTEM REQUIREMENTS: (SEC 907)
THIS BLDG. SHALL NOT BE REQUIRED TO HAVE AN APPROVED FIRE PROTECTION SYSTEM IN ACCORDANCE WITH SEC 907.2.2.

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 GUST) = 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.

SHT#	DWG#	DRAWING NAME	REVISED
1	C-1	COVERSHEET	07-19-13
2	C-1	SITE PLAN	07-19-13
3	C-2	PAVING & DRAINAGE	07-19-13
4	C-3	LANDSCAPING PLAN	07-19-13
5	S-1	CARWASH FOUNDATION PLAN & DETAILS	07-19-13
6	S-2	CARWASH FOUNDATION DETAILS	07-19-13
7	S-3	OIL CHANGE FOUNDATION PLAN & DETAILS	07-19-13
8	A-1	CARWASH BUILDING FLOOR PLAN	07-19-13
9	A-2	CARWASH EXTERIOR ELEVATION PLAN	07-19-13
10	A-3	OIL CHANGE ELEVATIONS & PLAN	07-19-13
11	A-4	CARWASH EQUIPMENT LIST	07-19-13
12	E-1	CARWASH ELECTRICAL PLAN	07-19-13
13	E-2	CARWASH POWER & LIGHTING PLAN	07-19-13
14	E-3	CARWASH POWER PLAN	07-19-13
15	E-4	CARWASH ELECTRICAL POWER PLAN	07-19-13
16	E-5	SITE ELECTRICAL UTILITY PLAN	07-19-13
17	E-6	CARWASH ONE-LINE DIAGRAM	07-19-13
18	E-7	ELEC. PANEL SCHEDULE SHEETS AND NOTES	07-19-13
19	E-8	OIL CHANGE POWER & LIGHTING PLAN	07-19-13
20	P-1	CARWASH PLUMBING PLAN	07-19-13
21	P-2	CARWASH RECLAIM SYSTEM	07-19-13
22	P-3	CARWASH TANK PUMP DETAILS	07-19-13



DAMMON
ENGINEERING, INC.

CHIEF ENGINEER: EMMETT DAMMON, P.E.
554 OLD SPANISH TRAIL
SLIDELL, LA 70458

www.dammonengineering.com
dammoneng@bellsouth.net
PHONE: 985-649-5832
FAX: 985-641-5950

**RAINFOREST CARWASH
& OIL CHANGE**

5026 HARDY STREET
HATTIESBURG, MISSISSIPPI 39401

JOB No: 2176 DATE: 06-28-2013
DRAWN BY: CKD CHECKED BY: CKD

The above drawings and specifications, designs and arrangements represented hereby are and shall remain the property of Dammon Engineering, and no part thereof shall be copied, disclosed to others, or used in connection with any work or project other than the specific project for which they have been prepared and delivered without written consent of Dammon Engineering. Visual contact with these drawings or reproductions shall constitute conclusive evidence of acceptance of these conditions.