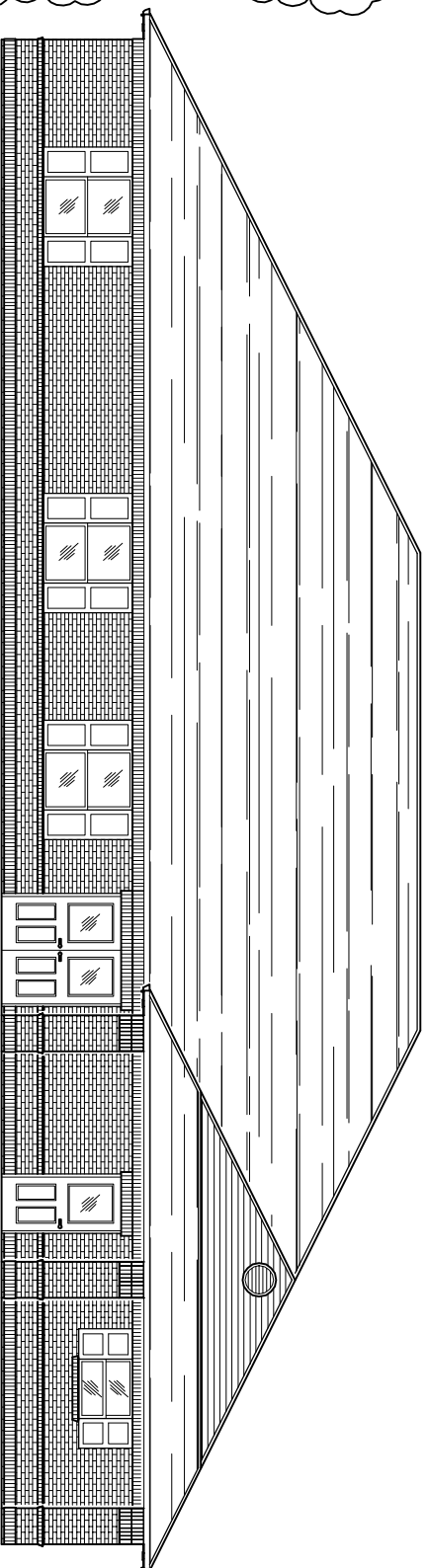


## RESIDENTIAL COMMUNITY HOME



**THIS BUILDING SHALL  
BE FULLY SPRINKLED**

(FRONT ELEVATION (MAIN ENTRANCE))  
**1705 VIOLA ST.  
MANDEVILLE, LA**

SQUARE FEET TOTAL: 5,100 SQ. FT.

### INTERNATIONAL BUILDING CODE

#### 2009 REQUIREMENTS

OCCUPANCY CLASSIFICATION:  
GROUP: R-2 (SEC 310.1)

OCCUPANT LOAD: (TBL 1004.1.1)  
RESIDENTIAL = 200 GROSS SQ.FT. / OCC.  
TOTAL LOAD = 5,100/200 = 26 OCCUPANTS

EXIT ACCESS REQUIREMENTS: (SEC 101.4)  
2 EXITS REQUIRED FOR > 50 OCCUPANTS (TBL 101.5.1)  
4 EXITS PROVIDED  
MAXIMUM COMMON PATH OF EGRESS TRAVEL = 250' (TBL 101.6.1)

ALLOWABLE HEIGHT AND BLDG. AREA: (TBL 503)  
FOUR STORY AND 16,000 SQ.FT.  
THIS BLDG 5,100 SQ.FT. / 1 STORY

CONSTRUCTION CLASSIFICATION: (SEC 602.2)  
TYPE II-B

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 ≥ 30' FIRE SEPARATION DISTANCE = 0 HRS.

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. DOES REQUIRE AN AUTOMATIC SPRINKLER SYSTEM PER SECTION 903.2.8

FIRE PROTECTION SYSTEM REQUIREMENTS: (SEC 907)  
THIS BLDG. DOES REQUIRE A MANUAL FIRE ALARM SYSTEM IN ACCORDANCE WITH SEC 907.2.9.2 & 907.2.11. ALSO NFPA 101:2.6.3.4.

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:

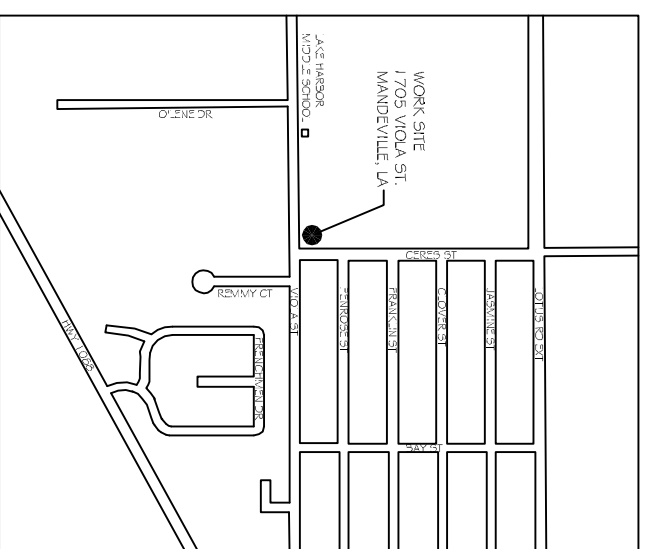
DETERMINATION OF WIND LOADS SHALL BE IN ACCORDANCE WITH IBC SEC 1609.4  
BASIC WIND SPEED (3 SECOND GUSTS) = 130 MPH (FIG 1609)  
IMPORTANCE FACTOR: CATEGORY II BLDG., I.E = 1.0, I.S = 1.0, I.W = 1.0 (TBL 1604.5)  
EXPOSURE B  
DESIGN WIND PRESSURE (ASCE 7-05 FIG. 6-2): 33.6 PSF  
INTERVAL PRESSURE COEFFICIENT (ASCE 7-05 FIG. 6-5): ± 0.18  
LIVE LOADS: (SEC 1607)  
PRIVATE ROOMS AND CORRIDORS SERVING THEM (TBL 1607.1): 40 PSF  
PUBLIC ROOMS AND THE CORRIDORS SERVING THEM (TBL 1607.1): 100 PSF  
OFFICE (TBL 1607.1): 50 PSF  
ROOF LIVE LOAD (TBL 1607.1) = 20 PSF UNIFORM, 300 LB. CONCENTRATED  
GROUND SNOW LOAD (FIG. 1608.2) = 0 PSF

BASED ON THE SURVEY OF THIS PROPERTY BY J.V. BURKES AND ASSOCIATES, INC.  
THIS PROPERTY IS NOT A SPECIAL FLOOD HAZARD AREA.  
F.L.R.M. COMMUNITY MAP NO. 225205 0245, C. DATE SEPTEMBER 17, 1989  
FLOOD ZONE: C AND B. BASE FLOOD ELEVATION (VA.  
ELEVATIONS REFER TO NAVD 1929 DATUM.

SHEET	DWG#	DRAWING NAME
1		COVER SHEET
2	C-1	COPY OF SURVEY
3	C-2	SITE PLAN
4	S-1	FOUNDATION PLAN
5	A-1	FLOOR PLAN
6	A-2	BUILDING SECTION AND DETAILS
7	A-3	ROOF PLAN
8	A-4	EXTERIOR ELEVATIONS
9	A-5	EXTERIOR ELEVATIONS
10	A-6	SCHEDULES AND NOTES
11	F-1	STRAPPING DETAILS & NOTES
12	M-1	MECHANICAL PLAN
13	M-2	MECHANICAL NOTES
14	E-1	ELECTRICAL POWER PLAN
15	E-2	ELECTRICAL LIGHTING PLAN
16	E-3	ELECTRICAL DETAILS, NOTES AND SCHEDULES
17	P-1	PLUMBING PLAN

#### DESIGN CRITERIA

THE CONSTRUCTION FOR SAID RESIDENCE, WHERE BASIC WIND SPEED IS 130 MILES PER HOUR, IS DESIGNED IN ACCORDANCE WITH:  
AMERICAN FOREST AND PAPER ASSOCIATION (AF&PA) WOOD FRAME CONSTRUCTION MANUAL FOR ONE AND TWO FAMILY DWELLINGS (WFCA) 2001 EDITION  
AS WELL AS THE INTERNATIONAL RESIDENTIAL CODE (IRC) 2006 EDITION



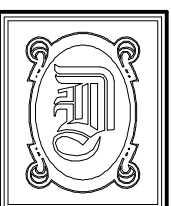
VICINITY MAP  
N.T.S.



STARC WEST  
RESIDENT. COMMUNITY HOME  
1705 VIOLA ST  
MANDEVILLE, LA

DATE: 04-08-11  
JOB NO.: 2081

**DAMMON ENGINEERING, INC.**  
554 OLD SPANISH TRAIL OFFICE: (985) 649-5832  
SLIDELL, LA 70458 FAX: (985) 641-5950  
WEBSITE: WWW.DAMMONENGINEERING.COM  
EMAIL: DAMMONENG@BELLSOUTH.NET



SHEET 1  
OF 17