

STANDARD MATERIALS CONCRETE MIX PLANT

1601 NORTH LANE
MANDEVILLE, LA

INTERNATIONAL BUILDING CODE 2006 REQUIREMENTS

OCCUPANCY CLASSIFICATION:
FUTURE BUSINESS, GROUP B (SEC 304.1)
WAREHOUSE STORAGE, GROUP S-1/B (SEC 311.3)

OCCUPANT LOAD: (TBL 1004.1.1)
FUTURE BUSINESS AREAS = 100 GROSS s.f. / OCCUPANT
WAREHOUSE AREAS = 500 GROSS s.f. / OCCUPANT
1,050 s.f. FUTURE OFFICE = 10.5 OCCUPANTS
2,450 s.f. WAREHOUSE = 4.9 OCCUPANTS
3,500 s.f. GROSS BUILDING
TOTAL OF 16 OCCUPANTS

EXIT ACCESS REQUIREMENTS: (SEC 1015/1016)
1 EXIT REQUIRED FOR LESS THAN 49 OCCUPANTS IN BUSINESS OCCUPANCY (TBL 1015.1) (2 EXITS PROVIDED)
EXIT ACCESS TRAVEL DISTANCE = 200' UNSPRINKLED
1 EXIT REQUIRED FOR OCCUPANTS IN STORAGE OCCUPANCY (TBL 1015.1) (3 EXITS PROVIDED)
EXIT ACCESS TRAVEL DISTANCE = 300' UNSPRINKLED
TABLE 1017.1 - OCCUPANT LOAD LESS THAN 30 - NO CORRIDOR FIRE RATING REQUIRED.

ALLOWABLE HEIGHT AND BLDG. AREA: (TBL 503)
FUTURE B = 23,000 s.f. / 4 STORY ALLOWED, THIS PROJECT 1 STORY 1,050 s.f.
S-2 = 26,000 s.f. / 4 STORY ALLOWED, THIS PROJECT 1 STORY 2,450 s.f.

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)
BUILDING LEFT WALL $10 < X < 30 = 0$ HRS.

FIRE ALARM SYSTEM REQUIREMENTS: (SEC 907)
THIS BLDG. DOES NOT REQUIRE A FIRE ALARM SYSTEM IN ACCORDANCE WITH SECTION 907.2.2.

FIRE PROTECTION SYSTEM REQUIREMENTS: (SEC 903)
THIS BLDG. DOES NOT REQUIRE A FIRE PROTECTION SYSTEM IN ACCORDANCE WITH SECTION 903.2.9 GROUP S-2 WAREHOUSE SHALL BE USED FOR STORAGE OF CLASS 1 COMMODITIES

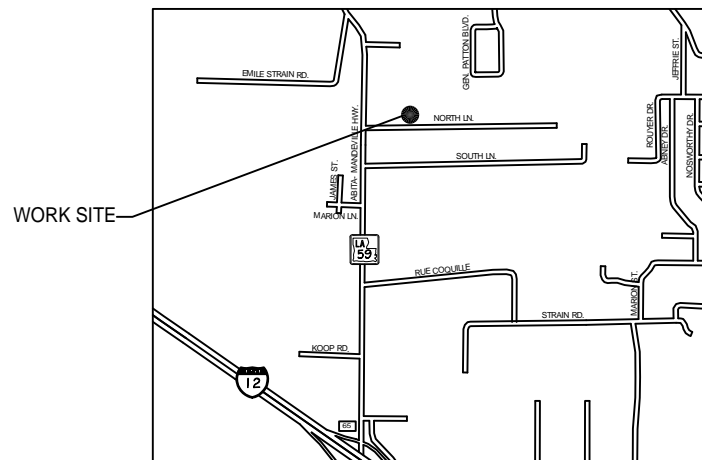
CONSTRUCTION DOCUMENTS: (SEC 1603)
THIS BLDG. SHALL BE DESIGNED IN ACCORDANCE WITH IBC SECTION 1609 AS A FULLY ENCLOSED BLDG. USING THE FOLLOWING INFORMATION:
BASIC WIND SPEED (3 SECOND GUSTS)= 130 MPH (FIG 1609)
INTERNAL PRESSURE COEFFICIENT IN AN ENCLOSED BLDG'S SHALL BE ± 0.18
IMPORTANCE FACTOR AS PER ASCE 7-05:
CATEGORY II BLDG., IE = 1.00, IS = 1.0, IW = 1.00
(TBL 1604.5) EXPOSURE B, DETERMINATION OF WIND LOADS SHALL BE IN ACCORDANCE WITH IBC SEC 1609.4 LIVE LOADS TBL 1607.1 OFFICE BUILDINGS CORRIDORS ABOVE FIRST FLOOR = 80PSF
LOBBIES, WAREHOUSE AND THROUGHOUT FIRST-FLOOR = 125PSF
OFFICES = 50 PSF
ROOF SNOW LOADS= 5 PSF (FIG. 1608.2)
ROOF LOAD MINIMUM = 20 PSF (FIG. 1607.1)

BASED ON THE SURVEY OF THIS PROPERTY BY JOHN E. BONNEAU & ASSOC., INC.
REGISTERED LAND SURVEYOR No. 4423
F.I.R.M. COMMUNITY No. 225205, PANEL No. 0245, SUFFIX C, F.I.R.M. DATE 10/17/89. BUILDING IS LOCATED IN A SPECIAL FLOOD HAZARD AREA. IT IS LOCATED IN FLOOD ZONE C.
FINISHED FLOOR ELEVATION = 32.5'

ZONED M-2
INTERMEDIATE INDUSTRIAL

SHOP/QC LAB
OFFICE AREA = 510 s.f.
WAREHOUSE = 1,890 s.f.

CONTROL ROOM
OFFICE AREA (2 FLOORS) = 512 s.f.



VICINITY MAP
N.T.S.

DETAILED BUILDING REQUIREMENTS (MAIN WIND FORCE RESISTING COMPONENTS)

- THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS AND STRUCTURES SHALL BE IN ACCORDANCE WITH EITHER THE AISC LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (AISC-LRFD), AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS-ALLOWABLE STRESS DESIGN (AISC-ASD) OR AISC SPECIFICATION FOR THE DESIGN OF STEEL HOLLOW STRUCTURAL SECTIONS (AISC-HSS). WIND LOAD DESIGN OF 130 MPH.
- ROOF COVERING HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN IBC SECTION 1507
- 7/16" THICK STRUCTURAL WOOD PANELS AND ATTACHMENT HARDWARE SHALL BE PROVIDED FOR BUILDING OCCUPANCY THE PANELS SHALL BE NUMBERED FOR EACH GLAZED OPENING AND SHALL BE STORED ON SITE PERMANENTLY (IBC 1609.1.4, EXCEPTION)

CONTRACTOR NOTE!
EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND-FORCE-RESISTING COMPONENT OF THIS BUILDING SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND OWNER PRIOR TO COMMENCEMENT OF THE WORK ON THAT COMPONENT. (IBC 1706.3)

BUILDING USE DESCRIPTION:
THIS BUILDING SHALL BE USED FOR NORMAL BUSINESS USE.

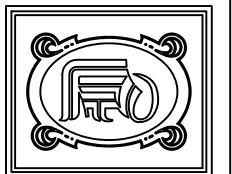
INDEX OF DRAWINGS

DWG#	DRAWING NAME	REVISED
C-1	SITE PLAN / LANDSCAPING PLAN	
C-2	PAVING PLAN	
C-3	DRAINAGE PLAN	
C-4	UTILITY PLAN	
C-5	PHOTOMETRIC PLAN	
C-6	PAVING NOTES & DETAILS	
S-1	RETAINING WALL PLAN	
S-2	SHOP QC LAB FOUNDATION PLAN	
S-3	CONTROL BLDG. FOUNDATION PLAN	
S-4	PILE CAP & COLUMN BASE FOUNDATION PLAN & DETAILS	
S-5	PILINGS PLAN	
A-1	SHOP QC LAB FLOOR PLAN	
A-2	SHOP QC LAB SECTION & DETAILS	
A-3	SHOP QC LAB ELEVATIONS	
A-4	CONTROL ROOM FLOOR PLAN, SECTION & ELEVATIONS	
A-5	CONTROL ROOM FRAMING PLANS, SECTION & DETAILS	
A-6	UPLIFT CONNECTIONS	
M-1	SHOP QC LAB MECHANICAL PLAN	
M-2	CONTROL ROOM MECHANICAL PLAN	
E-1	SHOP QC LAB ELECTRICAL PLAN	
E-2	CONTROL ROOM POWER & LIGHTING PLANS	
E-3	SCHEDULES & RISER DIAGRAM	
P-1	OVERALL PLUMBING PLAN	
P-2	SHOP QC LAB PLUMBING PLAN	
P-3	CONTROL ROOM PLUMBING PLAN	

NEW FACILITY
STANDARD MATERIALS
1601 NORTH LANE
MANDEVILLE, LA

DATE: 10-31-08
JOB NO. 1906

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