

NATIONAL FIRE PROTECTION ASSOCIATION 2009 SUMMARY

BUILDING AREA:
 TOTAL EXISTING BUILDING AREA = 26,860 SQ.FT.
 AREA TO BE ADDED = 21,000 SQ.FT.

OCCUPANCY CLASSIFICATION:
 INDUSTRIAL OCCUPANCY (6.1.1.2), CHAPTER 40.

OCCUPANT LOAD: (TBL 7.3.1.2)
 INDUSTRIAL = 100 GROSS SQ.FT. / OCCUPANT = 21,000 / 100 = 21 OCCUPANTS

SPRINKLER SYSTEM: (SEC 40.3.2.1)
 SPRINKLER SYSTEM IS NOT REQUIRED FOR GENERAL HAZARD INDUSTRIAL OCCUPANCY.

FIRE ALARM SYSTEM: (SEC 40.3.4.1)
 A FIRE ALARM SYSTEM IS NOT REQUIRED AS PER OCCUPANT LOAD IS < 100 PERSONS.

EXIT ACCESS:
 1 EXITS REQUIRED (SEC 40.2.4.1.2)
 NOTE: WEST SIDE IS OPEN
 ALLOWABLE EXIT ACCESS TRAVEL DISTANCE = 200' NOT SPRINKLED, TABLE 40.2.6.

INTERNATIONAL BUILDING CODE 2009 SUMMARY

OCCUPANCY CLASSIFICATION:
 FACTORY / INDUSTRIAL GROUP: F-2 (SEC 306.3)

OCCUPANT LOAD: (TBL 1004.1.1)
 FACTORY = 100 GROSS / OCCUPANT = (2100/100) = 21 OCCUPANTS
 TOTAL LOAD = 21 OCCUPANTS

EXIT ACCESS REQUIREMENTS: (SEC 1014)
 1 EXIT REQUIRED FOR < 50 OCCUPANTS (TBL 1015.1)
 NOTE: WEST SIDE IS OPEN
 MAXIMUM COMMON PATH OF EGRESS TRAVEL = 300' (F-2, TBL 1016.1)
 LONGEST EGRESS PATH IN AREA OF WORK = 197'-0"

CONSTRUCTION CLASSIFICATION: (SEC 602.2)
 TYPE IIB

ALLOWABLE HEIGHT AND BLDG. AREA: (TBL 503)
 THREE STORY AND 23,000 SQ.FT. (F-2)
 EXISTING BUILDING (26,860 SQ.FT.) PLUS NEW ADDITION (2100 SQ.FT.) = 28,960 SQ.FT.
 THIS BLDG 28,960 SQ.FT. / 1 STORY
 UNLIMITED AREA BLDG, SECTION 507.2:
 GROUP F-2 NO MORE THAN ONE STORY SHALL NOT BE LIMITED WHEN BUILDING IS SURROUNDED AND ADJOINED BY PUBLIC WAYS OR YARDS NOT LESS THAN 60 FEET WIDTH.

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.

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 NOT BE REQUIRED TO HAVE AN APPROVED FIRE PROTECTION SYSTEM IN ACCORDANCE WITH SEC 907.2.4.

CONSTRUCTION DOCUMENTS: (SEC 1603)
 THIS BLDG. SHALL BE DESIGNED IN ACCORDANCE WITH IBC SECTION 1609 AS A FULLY ENCLOSED BLDG. USING THE FOLLOWING INFORMATION:

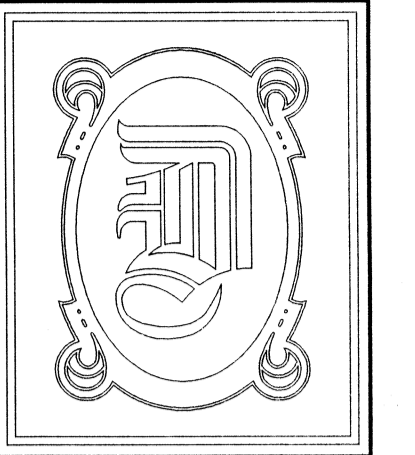
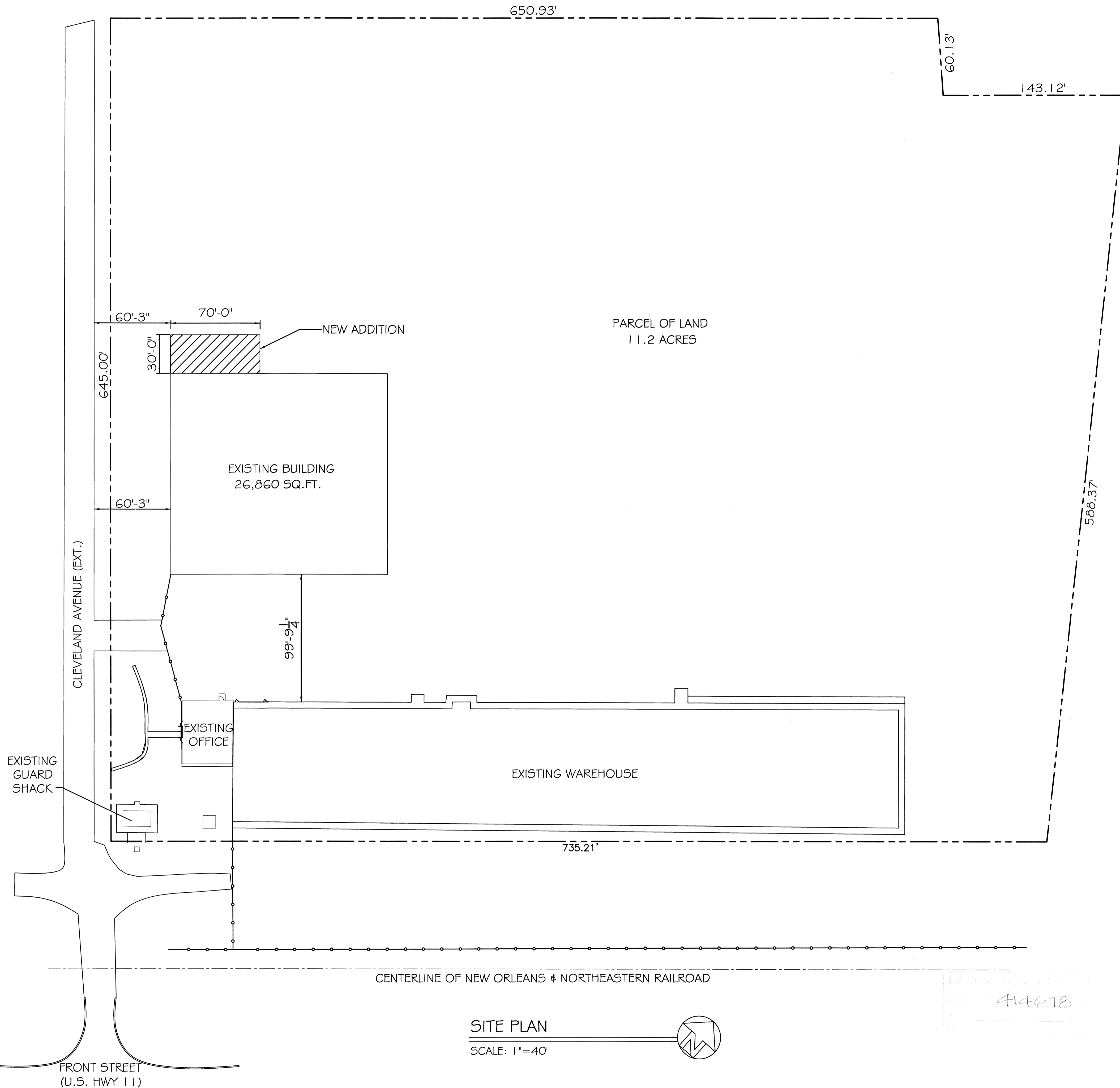
WIND DESIGN DATA:
 DETERMINATION OF WIND LOADS SHALL BE IN ACCORDANCE WITH IBC SEC 1609.4
 BASIC WIND SPEED (3 SECOND GUSTS) = 130 MPH (FIG 1609)
 IMPORTANCE FACTOR: CATEGORY II BLDG., $I_E = 1.00$, $I_S = 1.0$, $I_W = 1.00$ (TBL 1604.5)
 EXPOSURE B
 DESIGN WIND PRESSURE (ASCE 7-05 FIG. 6-2): 33.6 PSF
 INTERNAL PRESSURE COEFFICIENT (ASCE 7-05 FIG. 6-5): ± 0.18
LIVE LOADS: (SEC 1607)
 AREA WITH MOVABLE SEATS (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) = 5 PSF

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)



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SITE
 PLAN

Robert Wiltse

REV:

SCALE: AS NOTED

JOB#: 2142

DATE: 04-23-12

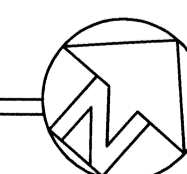
SHEET

C-1

OF

SITE PLAN

SCALE: 1"=40'



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