FY2008 MILCON P-210

N4412
SOF RIVERINE AND COMBATANT CRAFT OPERATIONS FACILITY
JOHN C. STENNIS
SPACE CENTER MISSISSIPPI
FINAL SUBMITTAL
SEPTEMBER 4, 2009

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

INTERNATIONAL BUILDING CODE 2006 REQUIREMENTS

BUILDINGS 2440 OPERATIONS BUILDING & 2441 MAINTENANCE/STAGING BUILDING

OCCUPANCY CLASSIFICATION:
BUSINESS GROUP B (SEC 304.1)
FACTORY INDUSTRIAL GROUP F-1 MODERATE HAZARD (SEC 306.2)
STORAGE GROUP S-1 (SEC. 311.1)

OCCUPANT LOAD: (TBL 1004.1.1)
BUSINESS / TRAINING AREAS = 100 GROSS s.f. / OCCUPANT
9,558 s.f. OFFICE = 96 OCCUPANTS

CAGES = 500 s.f. / OCCUPANT
4,516 s.f. LOCKER ROOM = 10 OCCUPANTS

ARMORY = 100 GROSS s.f. / OCCUPANT
1,484 s.f. INDUSTRIAL AREA = 15 OCCUPANTS

MAINTENANCE/STAGING AREA = 100 GROSS s.f. / OCCUPANT
6,772 s.f. INDUSTRIAL AREA = 68 OCCUPANTS

TOTAL OF 189 OCCUPANTS

EXIT ACCESS REQUIREMENTS: (SEC 1015.1)
2 EXITS REQUIRED FOR GREATER THAN 49 OCCUPANTS IN BUSINESS OCCUPANCY, (2 EXITS PROVIDED).
1 EXITS REQUIRED FOR LESS THAN 49 OCCUPANTS IN FACTORY INDUSTRIAL OCCUPANCY, (1 EXIT PROVIDED) AT ARMORY.
2 EXITS REQUIRED FOR GREATER THAN 29 OCCUPANTS IN STORAGE OCCUPANCY, (4 EXITS PROVIDED). AT MAINTENANCE/STAGING AREA.

EXIT ACCESS TRAVEL DISTANCE: (TBL 1016.1)
250' SPRINKLED FOR BUSINESS (B) AND STORAGE (S-1).

ALLOWABLE HEIGHT AND BLDG. AREA: (TBL 503)
B = 23,000 s.f. / 4 STORY ALLOWED; THIS PROJECT 2 STORY - 8,584 s.f. FIRST FLOOR; 6,867 s.f. SECOND FLOOR
S-1 = 17,500 s.f. / 3 STORY ALLOWED; THIS PROJECT 1 STORY - 6,772 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)
EXTERIOR WALLS WITH 10</=X<30
FIRE SEPARATION DISTANCE = 0 HR. FOR B AND S-1

FIRE ALARM SYSTEM REQUIREMENTS: (SEC 907)
THIS BLDG. DOES NOT REQUIRE A FIRE ALARM SYSTEM IN ACCORDANCE WITH SECTION 907.2.2 AND 907. ALTHOUGH NOT REQUIRED A FIRE ALARM & VOICE EVAC. SYSTEM WILL BE PROVIDED THROUGHOUT THE FACILITY IN ACCORDANCE WITH GOVERNMENT / UFC REQUIREMENTS.

FIRE PROTECTION SYSTEM REQUIREMENTS: (SEC 903)
THIS BLDG. DOES NOT REQUIRE A FIRE PROTECTION SYSTEM IN S-1 ACCORDANCE WITH SECTION 903.2.8. ALTHOUGH NOT REQUIRED, A FIRE PROTECTION SYSTEM WILL BE PROVIDED THROUGHOUT THE BUILDING IN ACCORDANCE WITH GOVERNMENT / UFC REQUIREMENTS.

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)
IMPORTANCE FACTOR: 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 SEC1609.4
MINIMUM LIVE LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TBL 1607.1
GROUND SNOW LOADS= 5 PSF (FIG. 1608.2)
BASED ON THE SURVEY OF THIS PROPERTY BY PITTMAN, GLAZE AND ASSOC., INC.REGISTERED LAND SURVEYOR WALTER GLAZE, No. 6190, DATE 2-10-2008.

INTERNATIONAL BUILDING CODE 2006 REQUIREMENTS

BUILDINGS 2442 BOAT STORAGE

OCCUPANCY CLASSIFICATION:
STORAGE, GROUP S-1 (SEC 311.2)

OCCUPANT LOAD: (TBL 1004.1.1)
WAREHOUSE = 500 GROSS s.f. / OCCUPANT
8,554 s.f. = 17 OCCUPANTS
TOTAL OF 17 OCCUPANTS

EXIT ACCESS REQUIREMENTS: (SEC 1015/1016)
2 EXITS REQUIRED FOR GREATER THAN 29 OCCUPANTS IN STORAGE OCCUPANCY, (2 EXITS PROVIDED).
EXIT ACCESS TRAVEL DISTANCE = 250' SPRINKLED FOR STORAGE (S-1).

ALLOWABLE HEIGHT AND BLDG. AREA: (TBL 503)
S-1 = 17,500 s.f. / 3 STORY ALLOWED; THIS PROJECT 1 STORY - 8,544 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)
EXTERIOR WALLS WITH 10</=X<30
FIRE SEPARATION DISTANCE = 0 HR. FOR S-1

FIRE ALARM SYSTEM REQUIREMENTS: (SEC 907)
THIS BLDG. DOES NOT REQUIRE A FIRE ALARM SYSTEM IN ACCORDANCE WITH SECTION 907. ALTHOUGH NOT REQUIRED A FIRE ALARM AND VOICE EVACUATION WILL BE PROVIDED THROUGHTOUT THE FACILITY IN ACCORDANCE WITH GOVERNMENT / UFC REQUIREMENTS.

FIRE PROTECTION SYSTEM REQUIREMENTS: (SEC 903)
THIS BUILDING DOES NOT REQUIRE A FIRE PROTECTION SYSTEM IN S-1 IN ACCORDANCE WITH SECTION 903.2.8. ALTHOUGH NOT REQUIRED A FIRE PROTECTION SYSTEM WILL BE PROVIDED THROUGHOUT THE BUILDING IN ACCORDANCE WITH GOVERNMENT / UFC REQUIREMENTS.

CONSTRUCTION DOCUMENTS: (SEC 1603)
THIS BLDG. SHALL BE DESIGNED IN ACCORDANCE WITH IBC SECTION 1609 AS A FULLY ENCLOSED BLDG. USING THE FOLLOWING INFORMATION:
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EXPOSURE B, DETERMINATION OF WIND LOADS SHALL BE IN ACCORDANCE WITH IBC SEC1609.4
MINIMUM LIVE LOADS SHALL BE DETERMINED IN ACCORDANCE WITH TBL 1607.1
GROUND SNOW LOADS= 5 PSF (FIG. 1608.2)
BASED ON THE SURVEY OF THIS PROPERTY BY PITTMAN, GLAZE AND ASSOC., INC.REGISTERED LAND SURVEYOR WALTER GLAZE, No. 6190, DATE 2-10-2008.

ROBERT LEE WILTSE REG. NO. 27361 STATE OF LOUISIANA REGISTERED ARCHITECT

APPR | DATE | DESCRIPTION | MK

NAVFAC

DAMMON ENGINEERING, INC.
CHIEF ENGINEER EMMETT DAMMON, P.E. | CHIEF ARCHITECT ROBERT WILTSE
1095 FLORIDA AVENUE
SLIDELL, LA 70458
(985) 649-5832
SEPTEMBER 4, 2009

EMMETT G. DAMMON LICENSED PROFESSIONAL ENGINEER 9652 STATE OF MISSISSIPPI

DES: R. WILTSE | DRW: J. TIFFANY
REVIEWED BY: R. WILTSE
PM/DM: T. ARTRIP
CHIEF ENG/ARCH: P. DAMMON

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST
NAVAL FACILITIES ENGINEERING COMMAND GULF COAST
NAVAL AIR STATION JACKSONVILLE
JOHN C. STENNIS SPACE CENTER MISSISSIPPI
SOF RIVERINE AND COMBATANT CRAFT OPERATIONS FACILITY - PRE-FINAL
IBC REVIEW

CODE ID. NO. N4412 | SIZE D
SCALE: AS SHOWN
MAXIMO NO. ######
STA. PROJ. NO. P-210
WORK ORDER NO. 510247
CONSTR. CONTR. NO. N62467-05-D-0096
NAVFAC DRAWING NO. 15026650
SHEET 3 OF 132
T-3

DRAWFORM REVISION: 01 JAN 2009

REVDATE: