FY2008 MILCON P-210

N4412
SOF RIVERINE AND COMBATANT CRAFT OPERATIONS FACILITY
JOHN C. STENNIS SPACE CENTER MISSISSIPPI
PRE-FINAL SUBMITTAL
MAY 15, 2009

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

INTERNATIONAL BUILDING CODE 2006 REQUIREMENTS

BUILDINGS 2440 OPERATIONS BUILDING & 2441 MAINTENCE/STAGING BUILDING

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

OCCUPANT LOAD: (TBL 1004.1.1)
BUSINESS / TRAINING AREAS = 100 GROSS s.f. / OCCUPANT
9,451 s.f. OFFICE = 95 OCCUPANTS

CAGES = 50 s.f. / OCCUPANT
4,516 s.f. LOCKER ROOM = 90 OCCUPANTS
NOTE: CAGES (LOCKER ROOM) FALL UNDER THE "PRIMARY FUNCTION" DEFINITION FOR THE MAJOR FACILITY OF BUSINESS / TRAINING.

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

MAINTENANCE/STAGING AREA = 100 GROSS s.f. / OCCUPANT
6,879 s.f. INDUSTRIAL AREA = 69 OCCUPANTS

TOTAL OF 269 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, (2 EXITS PROVIDED) AT ARMORY.
2 EXITS REQUIRED FOR GREATER THAN 49 OCCUPANTS IN FACTORY INDUSTRIAL OCCUPANCY, (4 EXITS PROVIDED). AT MAINTENANCE/STAGING AREA.

EXIT ACCESS TRAVEL DISTANCE = 250' SPRINKLED FOR BUSINESS (B) AND FACTORY INDUSTRIAL (F-1).
EXIT ACCESS TRAVEL DISTANCE = 75' SPRINKLED FOR HIGH HAZARD (H-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
F-1 = 15,500 s.f. / 2 STORY ALLOWED; THIS PROJECT 1 STORY - 6,879 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 F-1

FIRE ALARM SYSTEM REQUIREMENTS: (SEC 907)
THIS BLDG. DOES NOT REQUIRE A FIRE ALARM SYSTEM IN ACCORDANCE WITH SECTION 907.2.2 AND 907.2.4. 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. REQUIRES A FIRE PROTECTION SYSTEM IN F-1 ACCORDANCE WITH SECTION 903.2.3. 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:
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.

REVDATE:

APPR	DATE	DESCRIPTION	STM

NAVFAC

DAMMON ENGINEERING, INC.
CHIEF ENGINEER EMMETT G. DAMMON, P.E.
CHIEF ARCHITECT ROBERT WILTSE
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MAY 15, 2009

EMMETT G. DAMMON, JR. REGISTERED PROFESSIONAL ENGINEER 9652 STATE OF MISSISSIPPI

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

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND SOUTHEAST
IPT SOUTH ATLANTIC
NAVAL FACILITIES ENGINEERING COMMAND
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.	######-##-#-####
SHEET	3 OF 117

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DRAWFORM REVISION: 01 JAN 2009